

# SCHOOL OF TEACHING, LEARNING AND CURRICULUM STUDIES

**College of Education Health and Human Services**  
School of Teaching, Learning and Curriculum Studies  
404 White Hall  
Kent Campus  
330-672-2580  
[www.kent.edu/ehhs/tlcs](http://www.kent.edu/ehhs/tlcs)

## Undergraduate Programs

- Early Childhood Education - B.S.E.
- Earth Science - B.S.E.
- Integrated Language Arts - B.S.E.
- Integrated Mathematics - B.S.E.
- Integrated Science - B.S.E.
- Integrated Social Studies - B.S.E.
- Life Science - B.S.E.
- Life Science/Chemistry - B.S.E.
- Middle Childhood Education - B.S.E.
- Physical Education and Sport Performance - B.S.
- Physical Science - B.S.E.
- Sport, Exercise and Performance Psychology - B.S.

## Minors

- Athletic Coaching
- Sport, Exercise and Performance Psychology
- Teaching and Learning with Technology

## Graduate Programs

- Career - Technical Teacher Education - M.Ed.
- Curriculum and Instruction - Ed.S.
- Curriculum and Instruction - M.Ed.
- Curriculum and Instruction - Ph.D.
- Early Childhood Education - M.A.T.
- Early Childhood Education - M.Ed.
- Educational Technology - M.Ed.
- Reading Specialization - M.Ed.
- Secondary Education - M.A.T.

## Certificates

### Undergraduate Certificates

- Career-Technical Teacher Education
- Teaching and Learning with Technology

### Graduate Certificates

- Career-Technical Teacher Education
- Online and Blended Learning

## Licensure/Endorsement Programs - Non-Degree

### Undergraduate

- Middle Childhood Generalist Science (4-6) Endorsement Preparation
- Middle Childhood Generalist Social Studies (4-6) Endorsement Preparation

### Graduate

- Adapted Physical Education Endorsement Preparation
- Alternative Licensure Professional Development Institute, English/Language Arts
- Alternative Licensure Professional Development Institute, Mathematics
- Alternative Licensure Professional Development Institute, Science
- Alternative Licensure Professional Development Institute, Social Studies
- Career-Based Intervention Endorsement Preparation
- Computer Science Endorsement Preparation
- Computer Technology Endorsement Preparation
- Early Childhood Education (P-5) Additional Licensure Preparation
- Early Childhood Education Pre-Kindergarten (3-5 years) Endorsement Preparation
- Integrated Language Arts Additional Licensure Preparation
- Integrated Mathematics Additional Licensure Preparation
- Integrated Science Additional Licensure Preparation
- Integrated Social Studies Additional Licensure Preparation
- Middle Childhood Education (4-9) Language Arts/Reading and Mathematics Initial Licensure Preparation
- Middle Childhood Education (4-9) Language Arts/Reading and Science Initial Licensure Preparation
- Middle Childhood Education (4-9) Mathematics and Science Initial Licensure Preparation
- Middle Childhood Education (4-9) Mathematics and Social Studies Initial Licensure Preparation
- Middle Childhood Education (4-9) Social Studies and Language Arts/Reading Initial Licensure Preparation
- Middle Childhood Education (4-9) Social Studies and Science Initial Licensure Preparation
- Middle Childhood Education—Language Arts and Reading (4-9) Additional Licensure Preparation
- Middle Childhood Education—Mathematics (4-9) Additional Licensure Preparation
- Middle Childhood Education—Science (4-9) Additional Licensure Preparation
- Middle Childhood Education—Social Studies (4-9) Additional Licensure Preparation
- Reading Endorsement Preparation

## School of Teaching, Learning and Curriculum Studies Faculty

- Bintz, William P. (2004), Professor
- Borgerding, Lisa (2007), Professor, Ph.D., Indiana University, Bloomington, 2007

- Caniglia, Joanne C. (2008), Professor, Ph.D., Kent State University, 1994
- Courtney, Scott A. (2010), Associate Professor, Ph.D., Arizona State University, 2010
- Crowe, Alicia R. (2001), Professor, Ph.D., Vanderbilt University, 2001
- Durham, Brian S. (2022), Assistant Professor, Ph.D., Michigan State University, 2021
- Eckert, Kevin (2015), Associate Lecturer, M.Ed., Kent State University, 2017
- Ellison, Douglas (2017), Associate Professor, Ph.D., University of Illinois, Urbana-Champaign, 2016
- Ferdig, Richard E. (2009), Professor, Ph.D., Michigan State University, 2000
- Gandolfi, Enrico (2015), Associate Professor, Ph.D., Sapienza University of Rome, 2014
- Gruhler, Danielle M. (1999), Professor, Ph.D., Kent State University, 2004
- Guvernau, Marta (2007), Assistant Professor, Ph.D., Purdue University, 1999
- Hannon, James C. , Professor
- Hawley, Todd (2008), Professor, Ph.D., University of Georgia, 2008
- Heron, Michele L. (2004), Associate Professor, Ph.D., Kent State University, 2010
- Hollstein, Matthew S. (2015), Associate Professor, Ph.D., Ohio University, 2015
- Hutchins, Pamela K. (1993), Associate Lecturer, M.Ed., Kent State University, 1992
- Hylton, Rhonda (2018), Assistant Professor, Ph.D., Kent State University, 2020
- Irving, Sonya E. (2013), Associate Professor, Ph.D., University of Illinois, Urbana-Champaign, 2014
- Kamberelis, George , Professor
- Kenyon, Elizabeth (2015), Associate Professor, Ph.D., Michigan State University, 2015
- Kim, Insook (2012), Associate Professor, Ph.D., The Ohio State University, 2011
- Kirin, Melanie D. (2019), Lecturer, M.Ed., Kent State University, 2015
- Knapp, Kathryn A. (2007), Associate Professor, Ph.D., Kent State University, 2013
- Kosko, Karl W. (2012), Professor, Ph.D., Virginia Polytechnic Institute and State University, 2010
- Kroeger, Janice (2002), Professor, Ph.D., University of Wisconsin, Madison, 2003
- Kuo, Chia Ling (2005), Professor, Ph.D., Ohio University, 2005
- Lampe, Jennifer K. (2014), Lecturer, Bowling Green State University, 2010
- Miller Marsh, Monica A. (2012), Associate Professor, Ph.D., University of Wisconsin-Madison, 1997
- Mitchell, Stephen A. (1992), Professor, Ph.D., Syracuse University, 1992
- Monobe, Gumiko (2010), Associate Professor
- Morgan, Denise N. (2004), Professor
- Mulvey, Bridget K. (2012), Associate Professor, Ph.D., University of Virginia-Main Campus, 2012
- Mupinga, Davison M. (2008), Professor, Ph.D., Louisiana State University-Baton Rouge, 1999
- Navy, Shannon L. (2017), Associate Professor, Ph.D., University of Georgia, 2014
- Novak, Elena (2015), Associate Professor, Ph.D., Florida State University, 2012
- Pech, Sandra (2000), Associate Professor, Ph.D., Kent State University, 2010
- Porto, Adonia F. (2006), Assistant Professor, Ph.D., Kent State University, 2017
- Potenza-Radis, Cheryl L. (2009), Assistant Professor, M.Ed., Miami University, 1993
- Pytash, Kristine E. (2006), Professor, Ph.D., Kent State University, 2009
- Ridley, Jacqueline N. (2020), Assistant Professor, Ph.D., Ohio University, 2020
- Roginski, Dawn R. (2017), Assistant Professor, Ph.D., Kent State University, 2015
- Sethna, Kim C. (2010), Assistant Professor, Ed.D., Walden University, 2022
- Stoll, Julia A. (2000), Professor, Ph.D., Kent State University, 2015
- Testa, Elizabeth A. (2013), Associate Professor, Ph.D., University of Akron, 2014
- Torres, Francisco L. (2021), Assistant Professor, Ph.D., University of Colorado-Boulder, 2020
- Walker, Amy (2022), Assistant Professor, Ph.D., Indiana University Bloomington, 2022
- Wang, Jiahui (2018), Assistant Professor, Ph.D., University of Florida, 2018
- Wilfong, Lori G. (2002), Associate Professor, Ph.D., Kent State University, 2006
- Wisdom, Sonya L. (2018), Associate Professor, Ph.D., Kent State University, 2010
- Wisdom, Sonya L. (2012), Associate Professor, Ph.D., Kent State University, 2010
- Zolfaghari, Maryam (2018), Assistant Professor, Ph.D., Kent State University, 2023

## Adolescent/Adult Education (ADED)

### ADED 20000 TOPICS IN SOCIAL JUSTICE IN TEACHING AND LEARNING 3 Credit Hours

This course examines social justice issues that are central to teaching and learning across all educational contexts. In this course students will consider topics such as race, poverty, social class, LGBTQ youth and colleagues, socially responsive teaching and at risk youth as they intersect with K-12 educational settings.

**Prerequisite:** Sophomore standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 20020 EXPLORING SECONDARY SCIENCE TEACHING 1 Credit Hour**

This course is designed to allow students to learn and practice science teaching skills, develop real-world teaching experience in secondary schools, learn about research-based science teaching methods, and explore formal and informal science teaching careers. The course includes an associated field experience where students get to teach science lessons to local secondary students.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**ADED 22275 ISSUES AND TRENDS IN SOCIAL STUDIES EDUCATION 3 Credit Hours**

A course that introduces you to the field of social studies education. In this course you will explore the history and current issues and trends in the field of social studies education.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 32142 PRINCIPLES OF TEACHING ADOLESCENTS (WIC) 3 Credit Hours**

Orientation to adolescence and the teaching-learning process. This course includes 30 field-clinical hours in an urban setting. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching internship will take place.

**Prerequisite:** ADED 20000; and admission to advanced study.

**Schedule Type:** Field Experience, Lecture

**Contact Hours:** 2 lecture, 3 other

**Grade Mode:** Standard Letter

**Attributes:** Writing Intensive Course

**ADED 32268 THE SECONDARY SCHOOL MATHEMATICS CURRICULUM 3 Credit Hours**

The secondary school mathematics curriculum will be examined. Student's textbooks and recommendations will be investigated. This course includes 30 field clinical hours. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of the semester in which student teaching/ internship will take place.

**Prerequisite:** ADED 32142 and MATH 22005.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 2 lecture, 2 other

**Grade Mode:** Standard Letter

**ADED 32275 CURRICULUM AND PEDAGOGY IN SOCIAL STUDIES 3 Credit Hours**

A beginning social studies teaching and learning course. In this course you will explore how to achieve the purposes of social studies education through curriculum, instructional and planning decisions.

**Prerequisite:** ADED 22275 and ADED 32142; and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 32277 TEACHING SCIENCE IN SECONDARY SCHOOLS 3 Credit Hours**

Goals, methodology and resources for effective teaching of science to adolescents and young adults.

**Prerequisite:** ADED 32142.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 33268 MATHEMATICAL MODELING FOR SECONDARY TEACHERS 3 Credit Hours**

The Mathematical Modeling for Secondary Teachers is designed to promote reasoning, problem-solving and modeling through thematic units focused on mathematical practices, while reinforcing and extending content in number and quantity, algebra, functions, statistics and probability and geometry.

**Corequisite:** ADED 32268.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 42196 INDIVIDUAL PROJECT IN ADOLESCENT EDUCATION 2-4 Credit Hours**

(Repeatable for credit) Independent study in Adolescent Education.

**Prerequisite:** Special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 2-4 other

**Grade Mode:** Satisfactory/Unsatisfactory

**ADED 42268 TEACHING OF MATHEMATICS IN SECONDARY SCHOOLS 3 Credit Hours**

Methodology and materials for effective teaching of secondary school mathematics will be discussed and implemented in field experiences.

**Prerequisite:** ADED 32268.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 42275 TEACHING SOCIAL STUDIES IN GRADES 7 - 12 3 Credit Hours**

An advanced social studies education teaching and learning course. Addresses a range of topics that will help you engage your 7th–12th grade students with social studies.

**Prerequisite:** Minimum C grade in ADED 32275; and admission to advanced study.

**Corequisite:** ADED 42292.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 42277 TOPICS IN SECONDARY SCHOOL SCIENCE TEACHING 3 Credit Hours**

Analysis of trends in science teaching and materials and methods for introducing topics from the history of science and from health education.

**Prerequisite:** ADED 32277; and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 42292 FIELD WORK PRACTICUM (ELR) 3 Credit Hours**

(Repeatable for credit) A field experience in a middle or high school. Observations, interviews, designing and teaching of lessons and debriefing. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching internship will take place. Students must be on track for student teaching the following semester in order to register for this course.

**Prerequisite:** Minimum C grade in ADED 32268 or ADED 32275 or ADED 32277; or ADED 43325 and ADED 43335; and advanced study.

**Corequisite:** ADED 42268 or 42275 or 42277 or ADED 43325.

**Schedule Type:** Practical Experience

**Contact Hours:** 9 other

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement

**ADED 42392 SECONDARY STUDENT TEACHING (ELR) 9 Credit Hours**

Provides a full time student-teaching experience. Observations, interviews, designing and teaching of lessons and debriefing. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching internship will take place. Official valid certification of Child Safety Training, approved Basic Life Support and A.L.I.C.E. Training must be presented to the campus office of clinical experience or designated faculty-staff at Regional campuses as prerequisite for student teaching.

**Prerequisite:** Admission to advanced study; and Official valid certification of Child Safety Training, approved Basic Life Support and ALICE Training must be presented to the campus office of clinical experience or designated faculty/staff at Regional campuses as prerequisite for student teaching.

**Corequisite:** ADED 49525.

**Schedule Type:** Practical Experience

**Contact Hours:** 35 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**Attributes:** Experiential Learning Requirement

**ADED 43315 TEACHING LITERATURE IN THE SECONDARY SCHOOLS 3 Credit Hours**

(Slashed with ADED 53315) Explores the pedagogy of canonical literature, literary theory and approaches to teaching texts in the secondary classroom.

**Prerequisite:** ADED 32142 and MCED 40007; and advanced standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 43325 MULTI-MODAL LITERACIES IN THE SECONDARY CLASSROOM 3 Credit Hours**

Explores the pedagogies of reading and composing with a variety of print and non-print texts. Focuses on the impact of media culture on adolescent learners. Utilizes new literacies to enhance learning in the content area.

**Prerequisite:** ADED 32142 and ADED 43315 and ADED 43335 and MCED 40007.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 43335 TEACHING LANGUAGE AND COMPOSITION 3 Credit Hours**

Explores linguistic and rhetorical perspectives on the teaching of composition in secondary schools.

**Prerequisite:** ADED 32142 and MCED 40007; and advanced standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 49525 INQUIRY INTO PROFESSIONAL PRACTICE 3 Credit Hours**

Reflection on teaching for the purpose of instructional improvement. Emphases are placed on preparing implementing and assessing a curricular unit collaborative problem solving conducting an action research project and creating a portfolio.

**Prerequisite:** Admission to advanced study.

**Corequisite:** ADED 42392.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 52267 IMPROVING MATHEMATICS INSTRUCTION FOR ADOLESCENT AND ADULT EDUCATION 3 Credit Hours**

Methodology and materials for effective teaching of secondary school mathematics.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 52277 TEACHING SCIENCE IN THE SECONDARY SCHOOL 3 Credit Hours**

Analysis of teaching materials, demonstrations and participation in science classes appropriate for graduate students seeking certification to teach science in the secondary school.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 53315 TEACHING LITERATURE IN THE SECONDARY SCHOOLS 3 Credit Hours**

(Slashed with ADED 43315) Explores the pedagogy of canonical literature, literary theory and approaches to teaching texts in the secondary classroom.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 62092 ADVANCED PRACTICUM 3 Credit Hours**

(Repeatable for credit) Internship held at a school under the direction of a cooperating teacher, requiring a minimum of 100 field hours. Activities included in the internship include lesson plan preparation, unit planning, evaluation of student learning and other duties typical of teachers in the performance of their role in the school setting. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned "school/agency" before the first day of the semester in which the practicum will take place.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 1 lecture, 6.67 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ADED 62145 PRINCIPLES OF SECONDARY TEACHING 3 Credit Hours**

Principles of teaching adolescents including curriculum, planning instruction, assessment, fundamentals of evaluation, and reflective practice. All course content focuses on preparing teachers for secondary school teaching.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 62191 SEMINAR IN SECONDARY EDUCATION 1-3 Credit Hours**

(Repeatable for credit) (Cross-listed with ADED 72191) Study and experience of various theoretical and methodological and practical approaches to special problems.

**Prerequisite:** Graduate standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

**ADED 62192 ADVANCED PRACTICUM AND INTERNSHIP IN SECONDARY EDUCATION 1-10 Credit Hours**

(Repeatable for credit) Provides a student-teaching or internship experience. Observations, interviews, designing and teaching of lessons and debriefing. Students are required to complete Bureau of Criminal Investigation and identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching internship will take place. Official valid certification of Child Safety Training, approved Basic Life Support and A.L.I.C.E. Training must be presented to the campus office of clinical experience or designated faculty staff at Regional campuses as prerequisite for student teaching.

**Prerequisite:** Official valid certification of Child Safety Training, approved Basic Life Support and ALICE Training must be presented to the campus office of clinical experience or designated faculty/staff at Regional campuses as prerequisite for student teaching; and Graduate standing.

**Schedule Type:** Practical Experience

**Contact Hours:** 3-32 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ADED 62198 RESEARCH IN SECONDARY EDUCATION 2-15 Credit Hours**

(Repeatable for credit) Students pursue an individualized research project under direction of instructor.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Research

**Contact Hours:** 2-15 other

**Grade Mode:** Standard Letter

**ADED 63192 SECONDARY EDUCATION STUDENT TEACHING INTERNSHIP 1-10 Credit Hours**

(Repeatable for credit) Internship held at a secondary school under the direction of a cooperating teacher. A minimum of 50 hours per credit are required. Activities included in the internship include lesson plan preparation, unit planning, evaluation of student learning and other duties typical of teachers in the performance of their role in the school setting.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3.33-33.33 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ADED 63292 ADOLESCENT/YOUNG ADULT INTEGRATED LANGUAGE ARTS ADDITIONAL LICENSURE INTERNSHIP 1 Credit Hour**

(Repeatable for credit) Supervised work experiences that are integrated with academic instruction and related to student's occupational goal within integrated language arts.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3.33 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ADED 63392 ADOLESCENT/YOUNG ADULT INTEGRATED SOCIAL STUDIES ADDITIONAL LICENSURE INTERNSHIP 1 Credit Hour**

(Repeatable for credit) Supervised work experiences that are integrated with academic instruction and related to student's occupational goal within integrated social studies.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3.33 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ADED 63492 ADOLESCENT/YOUNG ADULT INTEGRATED MATHEMATICS ADDITIONAL LICENSURE INTERNSHIP 1 Credit Hour**

(Repeatable for credit) Supervised work experiences that are integrated with academic instruction and related to student's occupational goal within integrated mathematics.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3.33 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ADED 63592 ADOLESCENT/YOUNG ADULT INTEGRATED SCIENCE ADDITIONAL LICENSURE INTERNSHIP 1 Credit Hour**

(Repeatable for credit) Supervised work experiences that are integrated with academic instruction and related to student's occupational goal within integrated science.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3.33 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ADED 67147 TEACHING ADOLESCENTS IN THE SECONDARY SCHOOL CULTURE 3 Credit Hours**

Providing for motivation, discipline and instruction of adolescents within the culture of the secondary school.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ADED 67232 SECONDARY SCHOOL SOCIAL STUDIES 3 Credit Hours**

(Cross-listed with ADED 77232) General focus is on examining current instructional and curricular trends in teaching social studies. Emphasis is placed on strategies of teaching developing student's critical thinking skills role of the computer use of primary sources teaching controversial issues and stimulating active citizenship.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter



**ADED 72191 SEMINAR IN SECONDARY EDUCATION 1-3 Credit Hours**

(Repeatable for credit) (Cross-listed with ADED 62191) Study and experience of various theoretical and methodological and practical approaches to special problems.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

## Curriculum and Instruction (CI)

**CI 40093 VARIABLE TITLE WORKSHOP IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours**

(Slashed with CI 50093 and CI 70093)(Repeatable for credit) Variable topic workshop designed to respond to curriculum trends and issues and specialized needs.

**Prerequisite:** Special approval.

**Schedule Type:** Workshop

**Contact Hours:** 1-5 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 47095 SPECIAL TOPICS IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours**

(Repeatable for credit) Topic varies for each offering.

**Prerequisite:** Special approval.

**Schedule Type:** Lecture

**Contact Hours:** 1-5 lecture

**Grade Mode:** Standard Letter-IP

**CI 47096 INDIVIDUAL INVESTIGATION IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours**

(Repeatable for credit) Student-initiated experience to pursue an area of interest not covered by a regular course offering, with the guidance of a Kent State faculty member.

**Prerequisite:** Special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-5 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 47192 STUDENT TEACHING IN CURRICULUM AND INSTRUCTION (ELR) 1-5 Credit Hours**

(Repeatable for credit) Student teaching topics vary for each offering.

**Prerequisite:** Special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3-15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**Attributes:** Experiential Learning Requirement

**CI 47330 READING AND WRITING IN ADOLESCENCE/ADULTHOOD 3 Credit Hours**

(Slashed with CI 57330) Understanding of literacy learning in adolescence and adulthood (ages 12-21) with an emphasis on strategies for text learning, literacy in electronic environments and teaching students who struggle as readers and writers.

**Prerequisite:** Admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 47501 TEACHING MATHEMATICS IN EARLY AND MIDDLE GRADES 3 Credit Hours**

(Slashed with CI 57501) Addresses pedagogical content knowledge for the teaching and learning of mathematics in grades K-9, based on the national content and process standards.

**Prerequisite:** MATH 14001 or MATH 14002 with a minimum C grade; and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 47502 SCIENCE TEACHING IN EARLY AND MIDDLE GRADES 3 Credit Hours**

(Slashed with CI 57502) Addresses pedagogical content knowledge for the teaching and learning of science in grades K-9. Students examine how to best align science practice to state and national standards.

**Prerequisite:** Admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 47503 TEACHING SOCIAL STUDIES IN EARLY AND MIDDLE GRADES 3 Credit Hours**

(Slashed with CI 57503) Addresses pedagogical content knowledge for the teaching and learning of social studies in grades K-9, based on the national content and process standards.

**Prerequisite:** Admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 47504 TEACHING READING AND WRITING IN MIDDLE GRADES 3 Credit Hours**

(Slashed with CI 57504) Addresses pedagogical content knowledge for the teaching and learning of reading and writing in grades 4-9, based on the national content and process standards.

**Prerequisite:** Admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 47505 INTEGRATED SOCIAL STUDIES AND SCIENCE 3 Credit Hours**

(Slashed with CI 57505) Addresses principles of teaching and learning as applied to teaching social studies and science in elementary and middle grades. Students examine how to best align social studies and science practice with state and national standards.

**Prerequisite:** Admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 50093 VARIABLE TITLE WORKSHOP IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours**

(Slashed with CI 40093 and CI 70093)(Repeatable for credit) Variable topic workshop designed to respond to curriculum trends and issues and specialized needs.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Workshop

**Contact Hours:** 1-5 other

**Grade Mode:** Satisfactory/Unsatisfactory

**CI 50095 SPECIAL TOPICS: SEMINAR/WORKSHOP IN CURRICULUM AND INSTRUCTION 1 Credit Hour**

(Repeatable for credit) Topics varies for each offering. Seminar workshop for International Baccalaureate program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 55015 PSYCHOLOGY OF COACHING 3 Credit Hours**

(Slashed with PESP 45015) Factors affecting athletic performance emphasizing skill, motivation, personality and practice conditions.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 55020 CONTEMPORARY ATHLETIC COACHING 3 Credit Hours**

(Slashed with PESP 45020) A focus on the philosophy, skills, strategies and tactics of coaching within contemporary society.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 57330 READING AND WRITING IN ADOLESCENCE/ADULTHOOD 3 Credit Hours**

(Slashed with CI 47330) Understanding of literacy learning in adolescence and adulthood (ages 12-21) with an emphasis on strategies for text learning, literacy in electronic environments, and teaching students who struggle as readers and writers.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 57501 TEACHING MATHEMATICS IN EARLY AND MIDDLE GRADES 3 Credit Hours**

(Slashed with CI 47501) Addresses pedagogical content knowledge for the teaching and learning of mathematics in grades K-9, based on the national content and process standards.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 57502 SCIENCE TEACHING IN EARLY AND MIDDLE GRADES 3 Credit Hours**

(Slashed with CI 47502) Addresses pedagogical content knowledge for the teaching and learning of science in grades K-9. Students examine how to best align science practice to state and national standards.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 57503 TEACHING SOCIAL STUDIES IN EARLY AND MIDDLE GRADES 3 Credit Hours**

(Slashed with CI 47503) Addresses pedagogical content knowledge for the teaching and learning of social studies in grades K-9, based on the national content and process standards.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 57504 TEACHING READING AND WRITING IN MIDDLE GRADES 3 Credit Hours**

(Slashed with CI 47504) Addresses pedagogical content knowledge for the teaching and learning of reading and writing in grades 4-9, based on the national content and process standards.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 57505 INTEGRATED SOCIAL STUDIES AND SCIENCE 3 Credit Hours**

(Slashed with CI 47505) Addresses principles of teaching and learning as applied to teaching social studies and science in elementary and middle grades. Students examine how to best align social studies and science practice with state and national standards.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 60169 UNDERSTANDING EMERGENT BILINGUAL AND IMMIGRANT STUDENTS AND THEIR FAMILIES 3 Credit Hours**

(Slashed with CI 80169) This course is designed to help the general practitioner understand and know foundational concepts about multi-lingual students, immigrants, English Language Learners and their families.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 60171 TEACHING EMERGENT BILINGUAL AND IMMIGRANT STUDENTS 3 Credit Hours**

(Slashed with CI 80171) General educators will explore the application of teaching methods and a variety of curriculum approaches for immigrant and bi-literate children, and apply more fully their work with families and communities.

**Prerequisite:** CI 60169; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 60199 THESIS I 2-6 Credit Hours**

Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 2-6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 60299 THESIS II 2 Credit Hours**

Thesis students must continue registration each semester until all degree requirements are met.

**Prerequisite:** CI 60199; and Graduate standing.

**Schedule Type:** Masters Thesis

**Contact Hours:** 2 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 61124 EDUCATING THE GOOD CITIZEN 3 Credit Hours**

(Slashed with CI 71124) Course explores the competing conceptions of citizenship education through an examination and critique of the diverse perspectives on the purposes and possibilities of citizenship education—including the contributions and influence of multicultural, international and theoretical perspectives on the meaning of educating citizens in a democracy—situating work, thinking and practice in the literature. As part of the process of reading, discussing and deliberating together, students articulate a rationale for citizenship education and develop ways to incorporate their vision for citizenship education into their work as teacher educators, practicing social studies teachers and/or community members.

**Prerequisite:** Graduate standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**CI 61125 ISSUES AND TRENDS IN SOCIAL STUDIES EDUCATION 3 Credit Hours**

(Slashed with CI 71125) Provides an overview of historical trends and contemporary issues in social studies education.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 61126 RESEARCH IN SOCIAL STUDIES TEACHING AND LEARNING 3 Credit Hours**

(Slashed with CI 71126) Students examine, discuss and study research in the teaching and learning of social studies, as well as develop their own study of social studies teaching and learning.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 61127 TECHNOLOGY AND SOCIAL STUDIES 3 Credit Hours**

(Slashed with CI 71127) Course provides experiences with and study of various uses of technology in social studies teaching and learning. Students examine implications and effects of technology on student learning, teaching and society as a whole.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 61130 MULTICULTURAL EDUCATION: STRATEGIES 3 Credit Hours**

(Slashed with CI 71130) Course provides the strategies for teaching children to function effectively in a pluralistic society.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 61133 ISSUES AND TRENDS IN ELEMENTARY SCIENCE 3 Credit Hours**

(Slashed with CI 71133) New discoveries in science, including issues in society with direct science content. Emphasis is on practical and simple classroom applications.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 61134 RESEARCH TRENDS IN SCIENCE EDUCATION 3 Credit Hours**

(Slashed with CI 71134) Course in issues relating to research methods pertinent to science education.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 61140 CULTURE AND MULTICULTURALISM IN SCIENCE EDUCATION 3 Credit Hours**

(Slashed with CI 71140) Provides a general introduction to the impacts of multiculturalism and the social studies of science on science education. Implications for science educational curriculum theory, classroom practice and research are explored. Teaching topics examined include race and gender in science education, culture of science and science in a global context.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 61141 NATURE OF SCIENCE IN SCIENCE EDUCATION 3 Credit Hours**

(Slashed with CI 71141) Course in issues relating to the nature of science as it impacts science education.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 62000 PRINCIPLES OF TEACHING WITH DIFFERENTIATION 3 Credit Hours**

Principles of teaching adolescents, including designing curriculum, planning instruction, differentiation, assessment, fundamentals of evaluation and reflective practice. Learning experiences focus on preparing teachers for secondary school teaching in diverse settings. Teaching as a profession is explored, including examination of the Ohio licensure code of professional conduct and the Ohio Standards for the Teaching profession. Additionally, the course emphasizes culturally relevant, responsive and sustaining pedagogies. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62001 ASSESSMENT PROCEDURES AND PRAXIS 3 Credit Hours**

Students gain an understanding of the complexities of designing, collecting, analyzing and evaluating student performance data. Both formative and summative assessment practices are examined. Additionally, students determine best practices in inference-making based on data and consider pedagogical and evaluative choices that rely on the quality of data that they collect, both from their own design and assessment data from vendors. Students consider how qualitative data about individual learners can be collected and analyzed to strengthen the validity and reliability of the decisions made about learning outcomes. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** CI 62000; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP



**CI 62002 CULTURALLY RESPONSIVE CLASSROOM MANAGEMENT PRACTICES 3 Credit Hours**

Course explores principles of positive behavior supports and interventions; procedures to promote and practice positive learning interactions; and development of routines that practice social-emotional skill development, including resolution of conflict using restorative practice methods. Additionally, students examine the physical- and psychological-learning environment as a factor in culturally responsive teaching. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62003 LITERACIES IN THE CONTENT AREAS 3 Credit Hours**

Student acquire professional knowledge of the nature of literacy as it relates to specific content areas. Students understand the critical role that "literacy - including the interpretation and production of texts and representations - plays as vital to participation and learning in different academic disciplines" (International Literacy Association, 2017). Students develop, implement and reflect on a variety of curricular engagements, instructional strategies and assessment procedures for meeting the literacy needs of diverse students. Additionally, students learn how to plan inquiry-based teaching and learning that employs and extends students' literacy development. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62101 CURRICULUM STUDIES OF SECONDARY ENGLISH LANGUAGE ARTS 3 Credit Hours**

Course explores pedagogies of reading and composing with a variety of print and non-print texts. Considers the impact of media upon adolescent culture. Also explores teaching canonical literature and literary theories. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62102 CURRICULUM STUDIES OF SECONDARY MATHEMATICS 3 Credit Hours**

Course examines the secondary school mathematics curriculum, textbooks and national standards. Analyzes, implements and evaluates methodology and materials of effective teaching of secondary mathematics. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62103 CURRICULUM STUDIES OF SECONDARY SCIENCE 3 Credit Hours**

This course is designed to deepen secondary science teaching through the development of content knowledge, pedagogical knowledge and methodologies appropriate for science learning in secondary school. Students engage in pedagogical analyses and curriculum development related to nature of science; science literacy; conceptual change and student misconceptions; issues-based instruction; problem-based learning; and teaching diverse-learners science concepts. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62104 CURRICULUM STUDIES OF SECONDARY SOCIAL STUDIES 3 Credit Hours**

This course is designed to prepare prospective teachers to be purposeful, deliberative decision-makers and reflective practitioners who prepare citizens who contribute to the deepening of democracy and promote the common good. Areas of planning, curriculum, instruction and assessment are examined from a social studies perspective. The goal is to support purposeful social studies teaching and learning that engages students in the learning experiences designed to honor their real-world experiences and prepare them to be agents of change in their school and community. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 62121 FOUNDATIONS OF LITERACY AND PHONICS FOR SECONDARY TEACHERS 3 Credit Hours**

Course provides professional training in the teaching of the foundations of literacy: word/recognition/decoding, vocabulary, reading fluency and comprehension. Consideration of how struggling adolescent readers development may be assessed followed by how to provide interventions to strengthen literacy skills and strategies. This course is intended for students in the Alternative Licensure Professional Development Institute non-degree program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**CI 63193 VARIABLE TITLE WORKSHOP IN EXERCISE, LEISURE AND SPORT 1-3 Credit Hours**

(Repeatable for credit) Workshop in exercise, leisure and sport. Topics vary. Maximum 4 credit hours applied to the degree.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Workshop

**Contact Hours:** 1-3 other

**Grade Mode:** Satisfactory/Unsatisfactory

**CI 65025 CONTEMPORARY ISSUES IN SPORT PEDAGOGY - AN INTERNATIONAL PERSPECTIVE 3 Credit Hours**

(Slashed with CI 85025) An international perspective on the investigation and study of current problems, issues and trends in sport pedagogy.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 65037 ADAPTED PHYSICAL EDUCATION 3 Credit Hours**

(Slashed with CI 85037) Course prepares physical education teachers to provide safe, appropriate and individualized accommodations to students with disabilities. All information presented is structured around research-based and cross-culturally appropriate practices in adapted physical education that have been implemented in physical education programs globally.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 65044 PEDAGOGICAL ANALYSIS OF PHYSICAL EDUCATION AND SPORT 3 Credit Hours**

(Slashed with CI 85044) An analysis of contemporary pedagogical models, practices and theories relevant to the multidimensional environments of physical education and sport.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 65055 CURRICULUM DEVELOPMENT IN SPORT PEDAGOGY 3 Credit Hours**

(Slashed with CI 85055) The analysis, development and design of curricular theory and practice in physical education and sport. An examination of current and future issues in curriculum implementation.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 65392 ADVANCED PRACTICUM IN PHYSICAL EDUCATION 10 Credit Hours**

(Repeatable for credit) A 16-week practicum in K-12 physical education, combining full-time student teaching and student teaching seminar. Students spend eight weeks student teaching at the preschool to fifth-grade level and then eight weeks at the sixth- to 12th-grade level. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of the semester in which student teaching/ internship will take place. Official valid certification of Child Safety Training, approved Basic Life Support and ALICE training must be presented to the campus office of clinical experience or designated faculty/staff at regional campuses as prerequisite for student teaching.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Practical Experience, Seminar

**Contact Hours:** 3 lecture, 32 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 65592 PRACTICUM IN ADAPTED PHYSICAL EDUCATION 3 Credit Hours**

(Repeatable for credit) Supervised and supervisory experiences in motor development for all ages and abilities, including conceptual bases for assessment and individualized task analysis.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 9 other

**Grade Mode:** Standard Letter-IP

**CI 65692 INTERNSHIP IN ATHLETIC COACHING 2-4 Credit Hours**

(Repeatable for a maximum of 4 credits) Supervised experience in organized sport focused upon the duties of a coach; can involve one or more level (youth, school, college, professional) and sport. A focus on the philosophy, skills, strategies and tactics of coaching within contemporary society. 45 contact hours per credit. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of the semester in which student teaching-internship will take place.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 6-12 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 67001 FUNDAMENTALS OF CURRICULUM 3 Credit Hours**

(Slashed with CI 77001) Orientation to the curriculum field. Theoretical examination of foundations, elements, design and development of school, college and non-school curricula.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67002 CURRICULUM LEADERSHIP 3 Credit Hours**

(Slashed with CI 77002) Course explores the theories and practices of curriculum leadership with reference to the current politics of education and the democratic ideals of information-age, pluralistic societies. Mandated accountability reform is critically compared to invited professional renewal.

**Prerequisite:** CI 67001; and Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67003 TEACHER EDUCATION 3 Credit Hours**

(Slashed with CI 77003) Course provides a broad overview of teacher education, including curriculum, organization, governance and policy.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67004 PROFESSIONAL DEVELOPMENT IN TEACHING 3 Credit Hours**

(Slashed with CI 77004) Course provides a broad overview and conceptual framework for professional development; its historical, cultural, psychological and social contexts.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67005 INTERCULTURAL DIMENSIONS OF TEACHING AND LEARNING 3 Credit Hours**

(Slashed with CI 77005) Course addresses teaching and learning in the intercultural K-16 context. Increasing intercultural interaction in schools and communities across the nation and around the world are prompting educational changes in terms of what is being taught and how it is being taught. Educators at all levels are increasingly being called upon to enhance their own intercultural competence and to consider how best to translate this to students in their charge.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67007 CRITICAL REFLECTION IN CURRICULUM AND INSTRUCTION 2 Credit Hours**

Capstone course for a master's degree in curriculum and instruction. Students critique their content area studies with reference to the standard of curriculum-based pedagogy. Three concepts inform this critique: continuing professional development, multicultural education, curriculum leadership for reform and renewal.

**Prerequisite:** CI 67001; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

**CI 67010 CURRICULUM EVALUATION 3 Credit Hours**

(Slashed with CI 77010) Students learn to plan for and use a variety of techniques to gather information in systematic ways, across different phases of curriculum planning, development, implementation and evaluation to enhance decision-making processes. Students develop evaluation questions around a curriculum or program of their choice and then design a detailed evaluation plan.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67091 SEMINAR IN CURRICULUM AND INSTRUCTION 1-4 Credit Hours**

(Slashed with CI 87091)(Repeatable for credit) A wide range of topics for advanced graduate inquiry. Normally, course provides a balance of theoretical study and creative application.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Seminar

**Contact Hours:** 1-4 other

**Grade Mode:** Standard Letter-IP

**CI 67092 ADVANCED PRACTICUM AND INTERNSHIP IN CURRICULUM AND INSTRUCTION 1-3 Credit Hours**

(Repeatable for credit) Supervised practicum in curriculum design, development, implementation and-or leadership. Planned with and directed by a graduate faculty member. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching internship will take place.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3-9 other

**Grade Mode:** Satisfactory/Unsatisfactory

**CI 67095 SPECIAL TOPICS IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours**

(Slashed with CI 77095)(Repeatable for credit) Specialized offerings in response to emerging or selected program needs in curriculum design, development and implementation.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 1-5 lecture

**Grade Mode:** Standard Letter

**CI 67096 INDIVIDUAL INVESTIGATION IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours**

(Repeatable for credit) Directed independent reading and/or research of special interest or need in student's program. Planned with and directed by a graduate faculty member.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-5 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 67098 RESEARCH IN CURRICULUM AND INSTRUCTION 1-15 Credit Hours**

(Repeatable for credit) Students pursue an individualized research project on a specialized topic with approval and under direction of instructor.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Research

**Contact Hours:** 1-15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 67105 IMPROVING CLASSROOM INSTRUCTION 3 Credit Hours**

(Slashed with CI 77105) Emphasizes motivation, varied materials and methods, individual needs and sources of teacher help. Class members define goals and means.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67107 CURRICULUM AND ORGANIZATION IN THE MIDDLE GRADES 3 Credit Hours**

(Slashed with CI 77107) Course enhances students' knowledge, skills and dispositions about curriculum history and organization of middle schools (grades 4-9) that is developmentally responsive to early adolescents, and promotes student achievement and equity. In addition, students are able to extend their knowledge, skills, techniques and professional dispositions as related to middle school students' experiences, as well as to differentiate curriculum and assessment for diverse learners.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67108 TEACHING AND LEARNING IN THE MIDDLE GRADES 3 Credit Hours**

(Slashed with CI 77108) Course emphasizes theories of learning and teaching and their application to teaching in middle childhood classrooms with a diversity of learners. Major class topics include lesson planning, teaching strategies, assessment, classroom management and effective classroom instructions. In a concurrent clinical field experience, teacher candidates apply teaching methods in intermediate-middle school classrooms.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67224 TEACHING MATHEMATICS USING COMPUTERS AND CALCULATORS 3 Credit Hours**

(Slashed with CI 77224) Students develop knowledge of research and theories regarding teaching and learning mathematics via computing devices. Students develop proficiency in the use of computing devices and software that would be used in the teaching and learning of mathematics.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67225 RESEARCH IN MATHEMATICS EDUCATION 3 Credit Hours**

(Slashed with CI 77225) Current research theory, methodology and results in mathematics education are investigated. Implications for instructional practice and curriculum design are examined.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67226 IMPROVING MATHEMATICS INSTRUCTION IN MIDDLE CHILDHOOD 3 Credit Hours**

(Slashed with CI 77226) Instructional psychology and materials, including technology, for the effective teaching of mathematics in grades 3-8, with a theoretical emphasis on cognitive development.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67227 ASSESSMENT IN MATHEMATICS EDUCATION 2 Credit Hours**

(Slashed with CI 77227) Investigation of standards and practices in mathematical assessments as recommended by current research and the National Council of Teachers of Mathematics.

**Prerequisite:** Two courses from the following: ADED 52267, CI 67224, CI 67226 and/or ECED 50147; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

**CI 67228 INTERVENTION IN MATHEMATICS INSTRUCTION 2 Credit Hours**

(Slashed with CI 77228) Investigation of alternative methods of teaching mathematics to diverse learners who experience difficulties in learning mathematics.

**Prerequisite:** Two courses from the following: ADED 52267, CI 67224, CI 67226 and/or ECED 50147; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

**CI 67240 INTRODUCTION TO ENVIRONMENTAL EDUCATION 3 Credit Hours**

(Slashed with CI 77240) Survey course emphasizes current debates in environmental issues, exploring the interconnectedness of ecology, understanding the impact of culture and education on notions of environmental concerns, and how these ideas can be investigated within classroom contexts. The course is designed for teachers, science educators and other concerned citizens of the earth.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67292 PRACTICUM IN MATHEMATICAL ASSESSMENT 2 Credit Hours**

(Repeatable for credit) Practicum experience in designing and administering both formal and informal assessments.

**Prerequisite:** Two courses from the following: ADED 52267, CI 67224, CI 67226 and/or ECED 50147; and graduate standing.

**Schedule Type:** Practical Experience

**Contact Hours:** 6 other

**Grade Mode:** Standard Letter

**CI 67310 THEORY AND PRACTICE IN THE TEACHING OF READING 3 Credit Hours**

(Slashed with CI 77310) Nature and development of reading, approaches to instruction, relation to learning and development.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67312 TEACHING WRITING AS A PROCESS 3 Credit Hours**

(Slashed with CI 77312) Course emphasizes a process approach to writing instruction in grades K-12. Examines the steps and studies of composing, evaluation and components of a school-wide program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67314 SURVEY OF YOUNG ADULT LITERATURE 3 Credit Hours**

(Slashed with CI 77314) Presents a survey of selected types of literature appropriate for students in middle school, junior high and high school. Emphasis on evaluating, selecting and teaching.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67315 SURVEY OF CHILDREN'S LITERATURE 3 Credit Hours**

(Slashed with CI 77315) Wide reading in children's literature, with particular application to school curriculum and field of reading.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67319 DIAGNOSIS AND REMEDIATION IN READING 3 Credit Hours**

(Slashed with CI 77319) Theory and application of diagnostic principles and remedial reading approaches with school-age children. Cultural, linguistic, cognitive and effective factors in diagnosing and remediating reading problems.

**Prerequisite:** CI 67310; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67320 TEACHER AS LITERACY RESEARCHER 3 Credit Hours**

Capstone experience in master's program in literacy in which students pursue an individualized literacy research program.

**Prerequisite:** CI 67351 or RMS 65510 or RMS 65511; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter



**CI 67330 READING IN CONTENT AREAS 3 Credit Hours**

(Slashed with CI 77330) Information and competencies for improving students' reading and studying in the content areas. Focus on intermediate grades through post-secondary years.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67339 WRITING ASSESSMENT AND RESPONSE 3 Credit Hours**

(Slashed with CI 77339) Exploration of issues in writing assessment, theoretical base for effective formative response to student writing and design, and implementation of writing assessment measures.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67351 PERSPECTIVES ON LITERACY RESEARCH 3 Credit Hours**

(Slashed with CI 77351) Inquiry into basic concepts and agendas for research through a study of historical, landmark and ground-breaking studies in literacy.

**Prerequisite:** Reading Specialization major; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67352 LITERACY COACHING 3 Credit Hours**

(Slashed with CI 77352) Focus on principles and strategies related to literacy coaching, within classrooms, schools and districts.

**Prerequisite:** CI 67310 and CI 67319 and CI 67330 and CI 67692 and MCED 50005; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67353 MULTICULTURAL VOICES IN TEACHING CHILDREN'S AND YOUNG ADULT LITERATURE 3 Credit Hours**

(Slashed with CI 77353) Exploring diverse voices in children's and young adult literature in K-12 literacy classrooms to support culturally responsive teaching and learning and broaden student understandings of diversity.

**Prerequisite:** Reading Specialization major; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67392 ADVANCED PRACTICUM AND INTERNSHIP IN READING 1-10 Credit Hours**

(Repeatable for credit) Supervised practicum requiring application of theory and practices in reading in field settings. Planned with and directed by a graduate faculty member. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of the semester in which student teaching/ internship will take place.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3-30 other

**Grade Mode:** Standard Letter

**CI 67395 SPECIAL TOPICS IN READING 1-5 Credit Hours**

(Slashed with CI 77395)(Repeatable for credit) Specialized offerings in response to emerging or selected program needs in reading.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 1-5 lecture

**Grade Mode:** Standard Letter

**CI 67396 INDIVIDUAL INVESTIGATION IN READING AND LANGUAGE ARTS 1-5 Credit Hours**

(Repeatable for credit) Directed independent reading and/or research of special interest or need in student's program. Planned with and directed by a graduate faculty member.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-5 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 67517 NEW LITERACIES IN PRACTICE 3 Credit Hours**

(Slashed with CI 87517) Developing technologies are changing the very definition of literacy. Designed to provide an overview of current (and past) theory and practices related to the growing line of inquiry known as new literacies. Participants of the class follow their own paths of inquiry related to the question: How is the definition of literacy changing? Participants engage in discussions of theoretical positions related to this question (from perspectives as new literacies, multi-literacies and arts-based knowing to name a few) as well as encounter the basics of creating a blog or wiki and editing video. Appropriate for any educator who is interested in examining how new literacies are transforming the classrooms.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 67592 PRACTICUM IN MATHEMATICS EDUCATION INTERVENTION 3 Credit Hours**

(Repeatable for credit) Experience in providing leadership in designing intervention programs for schools, and designing curriculum and instruction for individual learners that experience difficulties in learning mathematics.

**Prerequisite:** Graduate standing.

**Schedule Type:** Practical Experience

**Contact Hours:** 9 other

**Grade Mode:** Standard Letter

**CI 67692 CLINICAL PRACTICUM IN CORRECTIVE READING 3 Credit Hours**

Application of previous courses includes supervised diagnostic/prescriptive reading work with school-age pupils and diagnostic/remedial reporting.

**Prerequisite:** CI 67319; and graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 9 other

**Grade Mode:** Standard Letter

**CI 67791 SEMINAR IN MATHEMATICS EDUCATION 3 Credit Hours**

(Repeatable for credit) An in-depth exploration of the theoretical frameworks and methodologies used in current research in mathematics education.

**Prerequisite:** Graduate standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter



**CI 70093 VARIABLE TITLE WORKSHOP IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours**

(Slashed with CI 40093 and CI 50093) (Repeatable for credit) Variable topic workshop designed to respond to curriculum trends and issues and specialized needs.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Workshop

**Contact Hours:** 3 other

**Grade Mode:** Satisfactory/Unsatisfactory

**CI 71124 EDUCATING THE GOOD CITIZEN 3 Credit Hours**

(Slashed with CI 61124) Course explores the competing conceptions of citizenship education through an examination and critique of the diverse perspectives on the purposes and possibilities of citizenship education—including the contributions and influence of multicultural, international and theoretical perspectives on the meaning of educating citizens in a democracy—situating work, thinking and practice in the literature. As part of the process of reading, discussing and deliberating together, students articulate a rationale for citizenship education and develop ways to incorporate their vision for citizenship education into their work as teacher educators, practicing social studies teachers and/or community members.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**CI 71125 ISSUES AND TRENDS IN SOCIAL STUDIES EDUCATION 3 Credit Hours**

(Slashed with CI 61125) Provides an overview of historical trends and contemporary issues in social studies education.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 71126 RESEARCH IN SOCIAL STUDIES TEACHING AND LEARNING 3 Credit Hours**

(Slashed with CI 61126) Students examine, discuss and study research in the teaching and learning of social studies, as well as develop their own study of social studies teaching and learning.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 71127 TECHNOLOGY AND SOCIAL STUDIES 3 Credit Hours**

(Slashed with CI 61127) Course provides experiences with and study of various uses of technology in social studies teaching and learning. Students examine implications and effects of technology on student learning, teaching and society as a whole.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 71130 MULTICULTURAL EDUCATION: STRATEGIES 3 Credit Hours**

(Slashed with CI 61130) Course provides the strategies for teaching children to function effectively in a pluralistic society.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 71133 ISSUES AND TRENDS IN ELEMENTARY SCIENCE 3 Credit Hours**

(Slashed with CI 61133) New discoveries in science, including issues in society with direct science content. Emphasis is on practical and simple classroom applications.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 71134 RESEARCH TRENDS IN SCIENCE EDUCATION 3 Credit Hours**

(Slashed with CI 61134) Course in issues relating to research methods pertinent to science education.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 71140 CULTURE AND MULTICULTURALISM IN SCIENCE EDUCATION 3 Credit Hours**

(Slashed with CI 61140) Provides a general introduction to the impacts of multiculturalism and the social studies of science on science education. Implications for science educational curriculum theory, classroom practice and research are explored. Teaching topics examined include race and gender in science education, culture of science and science in a global context..

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 71141 NATURE OF SCIENCE IN SCIENCE EDUCATION 3 Credit Hours**

(Slashed with CI 61141) Course in issues relating to the nature of science as it impacts science education.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 75592 PRACTICUM IN ADAPTED PHYSICAL EDUCATION 3 Credit Hours**

(Repeatable for credit) Supervised and supervisory experiences in motor development for all ages and abilities, including conceptual bases for assessment and individualized task analysis.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 9 other

**Grade Mode:** Standard Letter-IP

**CI 77001 FUNDAMENTALS OF CURRICULUM 3 Credit Hours**

(Slashed with CI 67001) Orientation to the curriculum field. Theoretical examination of foundations, elements, design and development of school, college and non-school curricula.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77002 CURRICULUM LEADERSHIP 3 Credit Hours**

Course explores the theories and practices of curriculum leadership with reference to the current politics of education and the democratic ideals of information-age, pluralistic societies. Mandated accountability reform is critically compared to invited professional renewal. It is recommended that students complete CI 77001 or a compatible professional experience with fundamentals of curriculum work is before taking this course.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77003 TEACHER EDUCATION 3 Credit Hours**

(Slashed with CI 67003) Course provides a broad overview of teacher education, including curriculum, organization, governance and policy.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77004 PROFESSIONAL DEVELOPMENT IN TEACHING 3 Credit Hours**

(Slashed with CI 67004) Course provides a broad overview and conceptual framework for professional development; its historical, cultural, psychological and social contexts.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77005 INTERCULTURAL DIMENSIONS OF TEACHING AND LEARNING 3 Credit Hours**

(Slashed with CI 67005) Course addresses teaching and learning in the intercultural K-16 context. Increasing intercultural interaction in schools and communities across the nation and around the world are prompting educational changes in terms of what is being taught and how it is being taught. Educators at all levels are increasingly being called upon to enhance their own intercultural competence and to consider how best to translate this to students in their charge.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77010 CURRICULUM EVALUATION 3 Credit Hours**

(Slashed with CI 67010) Students learn to plan for and use a variety of techniques to gather information in systematic ways, across different phases of curriculum planning, development, implementation and evaluation to enhance decision-making processes. Students develop evaluation questions around a curriculum or program of their choice and then design a detailed evaluation plan.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77092 ADVANCED PRACTICUM IN CURRICULUM AND INSTRUCTION 1-3 Credit Hours**

(Repeatable for credit) Supervised practicum in curriculum design, development, implementation and-or leadership. Planned with and directed by a graduate faculty member. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching internship will take place.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3-9 other

**Grade Mode:** Satisfactory/Unsatisfactory

**CI 77095 SPECIAL TOPICS IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours**

(Slashed with CI 67095)(Repeatable for credit) Specialized offerings in response to emerging or selected program needs in curriculum design, development and implementation.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 1-5 lecture

**Grade Mode:** Standard Letter

**CI 77096 INDIVIDUAL INVESTIGATION IN CURRICULUM AND INSTRUCTION 1-5 Credit Hours**

(Repeatable for credit) Directed independent reading and/or research of special interest or need in student's program. Planned with and directed by a graduate faculty member.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-5 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 77105 IMPROVING CLASSROOM INSTRUCTION 3 Credit Hours**

(Slashed with CI 67105) Emphasizes motivation, varied materials and methods individual needs and sources of teacher help. Class members define goals and means.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77107 CURRICULUM AND ORGANIZATION IN THE MIDDLE GRADES 3 Credit Hours**

(Slashed with CI 67107) Course enhances students' knowledge, skills and dispositions about curriculum history and organization of middle schools (grades 4-9) that is developmentally responsive to early adolescents, and promotes student achievement and equity. In addition, students are able to extend their knowledge, skills, techniques and professional dispositions as related to middle school students' experiences, as well as to differentiate curriculum and assessment for diverse learners.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77108 TEACHING AND LEARNING IN THE MIDDLE GRADES 3 Credit Hours**

(Slashed with CI 67108) Course emphasizes theories of learning and teaching and their application to teaching in middle childhood classrooms with a diversity of learners. Major class topics include lesson planing, teaching strategies, assessment, classroom management and effective classroom instructions. In a concurrent clinical field experience, teacher candidates apply teaching methods in intermediate-middle school classrooms.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77224 TEACHING MATHEMATICS USING COMPUTERS AND CALCULATORS 3 Credit Hours**

(Slashed with CI 67224) Students develop knowledge of research and theories regarding teaching and learning mathematics via computing devices. Students develop proficiency in the use of computing devices and software that would be used in the teaching and learning of mathematics.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77225 RESEARCH IN MATHEMATICS EDUCATION 3 Credit Hours**

(Slashed with CI 67225) Current research theory, methodology and results in mathematics education are investigated. Implications for instructional practice and curriculum design are examined.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77226 IMPROVING MATHEMATICS INSTRUCTION IN MIDDLE CHILDHOOD 3 Credit Hours**

(Slashed with CI 67226) Instructional psychology and materials, including technology, for the effective teaching of mathematics in grades 3-8, with a theoretical emphasis on cognitive development.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77227 ASSESSMENT IN MATHEMATICS EDUCATION 2 Credit Hours**

(Slashed with CI 67227) Investigation of standards and practices in mathematical assessments as recommended by current research and the National Council of Teachers of Mathematics.

**Prerequisite:** Two courses from the following: ADED 52267, CI 77224, CI 77226 and/or ECED 50147; and doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

**CI 77228 INTERVENTION IN MATHEMATICS INSTRUCTION 2 Credit Hours**

(Slashed with CI 67228) Investigation of alternative methods of teaching mathematics to diverse learners who experience difficulties in learning mathematics.

**Prerequisite:** Two courses from the following: ADED 52267, CI 77224, CI 77226 and/or ECED 50147; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

**CI 77240 INTRODUCTION TO ENVIRONMENTAL EDUCATION 3 Credit Hours**

(Slashed with CI 67240) Survey course emphasizing current debates in environmental issues, exploring the interconnectedness of ecology, understanding the impact of culture and education on notions of environmental concerns, and how these ideas can be investigated within classroom contexts. The course is designed for teachers, science educators and other concerned citizens of the earth.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77292 PRACTICUM IN MATHEMATICAL ASSESSMENT 2 Credit Hours**

(Repeatable for credit) Practicum experience in designing and administering both formal and informal assessments.

**Prerequisite:** Two courses from the following: ADED 52267, CI 77224, CI 77226 and/or ECED 50147; and doctoral standing.

**Schedule Type:** Practical Experience

**Contact Hours:** 6 other

**Grade Mode:** Standard Letter

**CI 77310 THEORY AND PRACTICE IN THE TEACHING OF READING 3 Credit Hours**

(Slashed with CI 67310) Nature and development of reading, approaches to instruction, relation to learning and development.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77312 TEACHING WRITING AS A PROCESS 3 Credit Hours**

(Slashed with CI 67312) Course emphasizes a process approach to writing instruction in grades K-12. Examines the steps and studies of composing, evaluation and components of a school-wide program.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77314 SURVEY OF YOUNG ADULT LITERATURE 3 Credit Hours**

(Slashed with CI 67314) Presents a survey of selected types of literature appropriate for students in middle school, junior high and high school. Emphasis on evaluating, selecting and teaching.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77315 SURVEY OF CHILDREN'S LITERATURE 3 Credit Hours**

(Slashed with CI 67315) Wide reading in children's literature, with particular application to school curriculum and field of reading.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77319 DIAGNOSIS AND REMEDIATION IN READING 3 Credit Hours**

(Slashed with CI 67319) Theory and application of diagnostic principles and remedial reading approaches with school-age children. Cultural linguistic cognitive and affective factors in diagnosing and remediating reading problems.

**Prerequisite:** CI 77310; and doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77330 READING IN CONTENT AREAS 3 Credit Hours**

(Slashed with CI 67330) Information and competencies for improving students' reading and studying in the content areas. Focus on intermediate grades through post-secondary years.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77339 WRITING ASSESSMENT AND RESPONSE 3 Credit Hours**

(Slashed with CI 67339) Exploration of issues in writing assessment, theoretical base for effective formative response to student writing, and design and implementation of writing assessment measures.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77351 PERSPECTIVES ON LITERACY RESEARCH 3 Credit Hours**

(Slashed with CI 67351) Inquiry into basic concepts and agendas for research through a study of historical, landmark and ground-breaking studies in literacy.

**Prerequisite:** Curriculum and Instruction major; and doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77352 LITERACY COACHING 3 Credit Hours**

(Slashed with CI 67352) Focus on principles and strategies related to literacy coaching, within classrooms, schools and districts.

**Prerequisite:** CI 77310 and CI 77319 and CI 77330 and CI 77692 and MCED 50005; and doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77353 MULTICULTURAL VOICES IN TEACHING CHILDREN'S AND YOUNG ADULT LITERATURE 3 Credit Hours**

(Slashed with CI 67353) Exploring diverse voices in children's and young adult literature in K-12 literacy classrooms to support culturally responsive teaching and learning and broaden student understandings of diversity.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 77392 ADVANCED PRACTICUM AND INTERNSHIP IN READING 1-10 Credit Hours**

(Repeatable for credit) Supervised program requiring application of theory and practices in reading in field settings. Planned with and directed by a graduate faculty member. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of the semester in which student teaching/internship will take place.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3-30 other

**Grade Mode:** Standard Letter

**CI 77395 SPECIAL TOPICS IN READING 1-5 Credit Hours**

(Slashed with CI 67395)(Repeatable for credit) Specialized offerings in response to emerging or selected program needs in reading.

**Prerequisite:** Doctoral standing and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 1-5 lecture

**Grade Mode:** Standard Letter

**CI 77396 INDIVIDUAL INVESTIGATION IN READING AND LANGUAGE ARTS 1-5 Credit Hours**

(Repeatable for credit) Directed independent reading and/or research of special interest or need in student's program. Planned with and directed by a graduate faculty member.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-5 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 77592 PRACTICUM IN MATHEMATICS EDUCATION INTERVENTION 3 Credit Hours**

(Repeatable for credit) Experience in providing leadership in designing intervention programs for schools, and designing curriculum and instruction for individual learners that experience difficulties in learning mathematics.

**Prerequisite:** ADED 52267 and CI 77224 and CI 77226 and ECED 50147; and doctoral standing.

**Schedule Type:** Practical Experience

**Contact Hours:** 9 other

**Grade Mode:** Standard Letter

**CI 77692 CLINICAL PRACTICUM IN CORRECTIVE READING 3 Credit Hours**

Application of previous courses includes supervised diagnostic/prescriptive reading work with school-age pupils and diagnostic/remedial reporting.

**Prerequisite:** CI 77319; and doctoral standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 9 other

**Grade Mode:** Standard Letter

**CI 77791 SEMINAR IN MATHEMATICS EDUCATION 3 Credit Hours**

(Repeatable for credit) An in-depth exploration of the theoretical frameworks and methodologies used in current research in mathematics education.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**CI 80089 RESIDENCY I 3 Credit Hours**

Beginning doctoral seminar. Students explore the field of curriculum and instruction by reading and discussing foundational and current theories and research in the field. Students begin to identify and explore their research interests in the field.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Satisfactory/Unsatisfactory

**CI 80090 RESIDENCY II 3 Credit Hours**

Advanced doctoral seminar. Structured opportunity for students to synthesize research from the field, explore research options for their dissertation study, review literature for their research studies and discuss the development of their research.

**Prerequisite:** CI 80089; and doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Satisfactory/Unsatisfactory

**CI 80169 UNDERSTANDING EMERGENT BILINGUAL AND IMMIGRANT STUDENTS AND THEIR FAMILIES 3 Credit Hours**

(Slashed with CI 60169) This course is designed to help the general practitioner understand and know foundational concepts about multi-lingual students, immigrants, English Language Learners and their families.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 80171 TEACHING EMERGENT BILINGUAL AND IMMIGRANT STUDENTS 3 Credit Hours**

(Slashed with CI 60171) General educators will explore the application of teaching methods and a variety of curriculum approaches for immigrant and bi-literate children, and apply more fully their work with families and communities.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 80199 DISSERTATION I 15 Credit Hours**

(Repeatable for credit) Doctoral dissertation for which registration in at least two semesters is required, first of which will be semester in which dissertation work is begun and continuing until the completion of 30 hours.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Dissertation

**Contact Hours:** 15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 80299 DISSERTATION II 15 Credit Hours**

(Repeatable for credit) Continuing registration required of doctoral students who have completed the initial 30 hours of dissertation and continuing until all degree requirements are met.

**Prerequisite:** CI 80199; and doctoral standing.

**Schedule Type:** Dissertation

**Contact Hours:** 15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 85025 CONTEMPORARY ISSUES IN SPORT PEDAGOGY - AN INTERNATIONAL PERSPECTIVE 3 Credit Hours**

(Slashed with CI 65025) An international perspective on the investigation and study of current problems, issues and trends in sport pedagogy.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 85037 ADAPTED PHYSICAL EDUCATION 3 Credit Hours**

(Slashed with CI 65037) Course prepares physical education teachers to provide safe, appropriate and individualized accommodations to students with disabilities. All information presented is structured around research-based and cross-culturally appropriate practices in adapted physical education that have been implemented in physical education programs globally.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 85044 PEDAGOGICAL ANALYSIS OF PHYSICAL EDUCATION AND SPORT 3 Credit Hours**

(Slashed with CI 65044) An analysis of contemporary pedagogical models, practices and theories relevant to the multidimensional environments of physical education and sport.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 85055 CURRICULUM DEVELOPMENT IN SPORT PEDAGOGY 3 Credit Hours**

(Slashed with CI 65055) The analysis, development and design of curricular theory and practice in physical education and sport. An examination of current and future issues in curriculum implementation.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 87000 THEORY AND RESEARCH IN TEACHING 3 Credit Hours**

Focuses on critical study of contrasting approaches to the study of teaching processes. Surveys issues to give students a more critical perspective and to provoke thought about the relationship among theory research and practice.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 87001 THEORY AND RESEARCH IN CURRICULUM 3 Credit Hours**

Focuses on historic and contemporary examples of curriculum theory and their application in curriculum design, development and evaluation. Examines modes of inquiry used by curriculum researchers and contemporary curriculum issues.

**Prerequisite:** CI 77001; and doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter



**CI 87002 FORMS OF INQUIRY IN CURRICULUM AND INSTRUCTION 3 Credit Hours**

Introduction to the history, context, philosophy and ethics of inquiry in curriculum and instruction. Emphasis on acquainting students with faculty lines of inquiry and research foci while preparing them for critical consumption of and significant contribution to inquiry in curriculum and instruction.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**CI 87091 SEMINAR IN CURRICULUM AND INSTRUCTION 1-4 Credit Hours**

(Slashed with CI 87091)(Repeatable for credit) A wide range of topics for advanced graduate inquiry. Normally, course provides a balance of theoretical study and creative application.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Seminar

**Contact Hours:** 1-4 other

**Grade Mode:** Standard Letter-IP

**CI 87098 RESEARCH IN CURRICULUM AND INSTRUCTION 1-15 Credit Hours**

(Repeatable for credit) Students pursue an individualized research project on a specialized topic with approval and under direction of instructor.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Research

**Contact Hours:** 1-15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CI 87340 RESEARCH IN READING 3 Credit Hours**

An introduction to a perspective on psychological processes underlying levels of reading from pre-reading to mature reading with implications for instruction.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 87342 SEMINAR IN READING AND LANGUAGE 3 Credit Hours**

Exploration of some of the issues, methods and findings on the relationship of reading and language. Examination of selected issues such as dialect bilingualism readability language based-strategies for reading instruction.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 87343 RESEARCH IN TEACHING OF WRITING 3 Credit Hours**

Issues and methodologies in research in the teaching of writing. Students review the literature and conduct research in a significant area of writing instruction.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 87391 SEMINAR IN READING 1-4 Credit Hours**

(Repeatable for credit) Variable topic seminar for advanced study of specialized areas and topics. Normally designed around research and theory applied to practice.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**CI 87398 RESEARCH IN READING AND LANGUAGE ARTS 1-15 Credit Hours**

(Repeatable for credit) Students pursue an individualized research project on a specialized topic with approval and under direction of instructor.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Research

**Contact Hours:** 1-15 other

**Grade Mode:** Standard Letter

**CI 87517 NEW LITERACIES IN PRACTICE 3 Credit Hours**

(Slashed with CI 67517) Developing technologies are changing the very definition of literacy. Designed to provide an overview of current (and past) theory and practices related to the growing line of inquiry known as new literacies. Participants of the class follow their own paths of inquiry related to the question: How is the definition of literacy changing? Participants engage in discussions of theoretical positions related to this question (from perspectives as new literacies, multi-literacies and arts-based knowing to name a few) as well as encounter the basics of creating a blog or wiki and editing video. Appropriate for any educator who is interested in examining how new literacies are transforming the classrooms.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CI 87791 DOCTORAL SEMINAR IN MATHEMATICS EDUCATION 1-3 Credit Hours**

(Repeatable for a maximum of 12 credit hours) Variable content seminar covering mathematics education. Students must seek faculty advisor recommendation prior to registration.

**Prerequisite:** Curriculum and Instruction major; and doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

## Career and Technical Teacher Education (CTTE)

**CTTE 36014 EVALUATION PRACTICES IN CAREER TECHNICAL EDUCATION 3 Credit Hours**

Study and construction of evaluation devices for use in laboratory and related technology courses, test construction, standardized and nonstandardized test procedures. This course includes 10 field/clinical hours.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 40093 VARIABLE TOPIC WORKSHOP IN CAREER TECHNICAL EDUCATION 1-5 Credit Hours**

(Repeatable for credit) (Slashed with CTTE 50093 and CTTE 70093)

Topics of special interest to students desiring to intensify their knowledge in a particular area of career technical education.

**Prerequisite:** Department permission.**Schedule Type:** Workshop**Contact Hours:** 1-5 other**Grade Mode:** Satisfactory/Unsatisfactory**CTTE 44092 IN-SERVICE TEACHING - PRACTICUM (ELR) 2 Credit Hours**

(Slashed with CTTE 54092) This course provides an overview of/and practice in the concepts necessary to plan, organize and implement meaningful instruction in the laboratory and related classroom. The course provides an opportunity for students to apply classroom management skills as they get one-on-one support from the teacher educators.

**Prerequisite:** None.**Schedule Type:** Practical Experience**Contact Hours:** 36 other**Grade Mode:** Standard Letter**Attributes:** Experiential Learning Requirement**CTTE 44099 IN-SERVICE TEACHING - CAPSTONE (ELR) 1 Credit Hour**

(Slashed with CTTE 54099) The capstone course provides students an opportunity to demonstrate their knowledge and growth as a career technical education teacher; it essentially provides an opportunity for students to show how they integrate and apply knowledge from their career technical education licensure courses into their responsibilities as teachers. The course will assess the extent to which the students meet the Ohio Standards for the Teaching Profession, through an electronic portfolio and instructional videos from the student as evidence.

**Prerequisite:** None.**Schedule Type:** Project or Capstone**Contact Hours:** 1 other**Grade Mode:** Standard Letter**Attributes:** Experiential Learning Requirement**CTTE 45372 ISSUES IN CAREER TECHNICAL EDUCATION SUBJECTS 3 Credit Hours**

(Slashed with CTTE 55372) Exploration of issues and trends unique to specific career technical education subjects.

**Prerequisite:** None.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**CTTE 45377 CAREER AND TECHNICAL EDUCATION: ADVANCED METHODOLOGIES 3 Credit Hours**

Selection, organization and presentation of subject matter pertaining to specific subjects in career and technical education. Emphasis on methods and techniques through theory and practice. Course includes 30 field/clinical hours. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of the semester in which student teaching/ internship will take place.

**Prerequisite:** None.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**CTTE 46001 ORGANIZATION OF CAREER AND TECHNICAL EDUCATION (WIC) 3 Credit Hours**

(Slashed with CTTE 56001) Study of the principles and subject areas related to career and technical education at middle school, secondary and adult education levels.

**Prerequisite:** None.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**Attributes:** Writing Intensive Course**CTTE 46002 IN-SERVICE TEACHING (ELR) 3 Credit Hours**

(Slashed with CTTE 56002) Overview of teaching process in career technical teacher education. Emphasizes techniques of skill development and assessment, includes organizing for instruction, individual behavior, organizational relationships and application steps.

**Prerequisite:** None.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**Attributes:** Experiential Learning Requirement**CTTE 46015 METHODS OF CAREER AND TECHNICAL EDUCATION 3 Credit Hours**

(Slashed with CTTE 56015) Organization and management of classroom and laboratory; includes purchasing equipment and supplies, safety instruction planning, establishing policies, maintaining records, and individual and group instructional strategies.

**Prerequisite:** None.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**CTTE 46017 STUDENT-CENTERED LEADERSHIP IN CAREER TECHNICAL EDUCATION 3 Credit Hours**

Study of the role of leadership and youth organizations in Career Technical Education with emphasis on the organization and purpose of student leadership and the role of the advisor related to leadership in career technical education.

**Prerequisite:** None.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**CTTE 46018 DISADVANTAGED YOUTH IN CAREER TECHNICAL EDUCATION (WIC) 3 Credit Hours**

(Slashed with CTTE 56018) Developing an understanding of disadvantaged youth stressing their characteristics as they pertain to career technical education program. This course is restricted to Trade &amp; Industrial majors, students registered in the undergraduate Career-Technical Teacher certificate, of those working on a Career-Based Intervention endorsement.

**Prerequisite:** Trade and Industrial Education majors or Career-Technical Teacher Education (C205) certificate.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**Attributes:** Writing Intensive Course

**CTTE 46019 COORDINATION OF CAREER TECHNICAL COOPERATIVE EDUCATION PROGRAMS 3 Credit Hours**

(Slashed with CTTE 56019) Reviews duties, problems, techniques of home, school and work coordination. Internship site selection, job development, servicing the job station, coordinating classroom and work experience. A study of important linkage to local business/industry and education support agencies for career and technical development.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 46020 CURRICULUM GUIDE:DESIGN AND APPLICATION 3 Credit Hours**

Methods and techniques involved in developing and utilizing a curriculum guide in career and technical education subjects. This course includes 15 field/clinical hours. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of the semester in which student teaching/ internship will take place.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 46095 SPECIAL TOPICS IN CAREER TECHNICAL EDUCATION 1-3 Credit Hours**

(Repeatable for credit) Specialized offerings in response to emerging or selected program needs in career-technical education.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**CTTE 46096 INDIVIDUAL INVESTIGATION IN CAREER TECHNICAL EDUCATION 1-3 Credit Hours**

(Repeatable for credit) (Slashed with CTTE 56096) An individual investigation into problems and topics in career technical education. The investigation is pursued on an individual basis with an assigned faculty member.

**Prerequisite:** None.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-3 other

**Grade Mode:** Satisfactory/Unsatisfactory

**CTTE 49525 INQUIRY INTO PROFESSIONAL PRACTICE 3 Credit Hours**

Interdisciplinary inquiry into career/technical teaching as a professional practice in education;emphasis on teacher as disciplined investigator. Final course of four. Combination of themes utilization of teaching learning technologies.

**Prerequisite:** Admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 50093 VARIABLE TOPIC WORKSHOP IN CAREER TECHNICAL EDUCATION 1-5 Credit Hours**

(Repeatable for credit) (Slashed with CTTE 40093 and CTTE 70093)

Topics of special interest to students desiring to intensify their knowledge in a particular area or areas of career technical education.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Workshop

**Contact Hours:** 1-5 other

**Grade Mode:** Satisfactory/Unsatisfactory

**CTTE 54092 IN-SERVICE TEACHING - PRACTICUM 2 Credit Hours**

(Slashed with CTTE 44092) This course provides an overview of/and practice in the concepts necessary to plan, organize and implement meaningful instruction in the laboratory and related classroom. The course provides an opportunity for students to apply classroom management skills and as they get one-on-one support from the teacher educators.

**Prerequisite:** Graduate standing.

**Schedule Type:** Practical Experience

**Contact Hours:** 36 other

**Grade Mode:** Standard Letter

**CTTE 54099 IN-SERVICE TEACHING - CAPSTONE 1 Credit Hour**

(Slashed with CTTE 44099) The capstone course provides students an opportunity to demonstrate their knowledge and growth as a career technical education teacher; it essentially provides an opportunity for students to show how they integrate and apply knowledge from their career technical education licensure courses into their responsibilities as teachers. The course will assess the extent to which the students meet the Ohio Standards for the Teaching Profession, through an electronic portfolio and instructional videos from the student as evidence.

**Prerequisite:** Graduate standing.

**Schedule Type:** Project or Capstone

**Contact Hours:** 1 other

**Grade Mode:** Standard Letter

**CTTE 55372 ISSUES IN CAREER TECHNICAL EDUCATION SUBJECTS 3 Credit Hours**

(Slashed with CTTE 45372) Exploration of issues and trends unique to specific career-technical education subjects.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 55377 CAREER AND TECHNICAL EDUCATION:ADVANCED METHODOLOGIES 3 Credit Hours**

(Slashed with CTTE 45377) Selection, organization and presentation of subject matter pertaining to specific subjects in career and technical education. Emphasis on methods and techniques through theory and practice. Course includes 30 field clinical hours.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 56001 ORGANIZATION OF CAREER AND TECHNICAL EDUCATION 3 Credit Hours**

(Slashed with CTTE 46001) Study of the principles and subject areas related to career and technical education at middle school, secondary and adult education levels.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 56002 IN-SERVICE TEACHING 3 Credit Hours**

(Slashed with CTTE 46002) Overview of teaching process in career technical teacher education. Emphasizes techniques of skill development and assessment, includes organizing for instruction, individual behavior, organizational relationships and application steps.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 56015 METHODS OF CAREER AND TECHNICAL EDUCATION 3 Credit Hours**

(Slashed with CTTE 46015) Organization and management of classroom and laboratory; includes purchasing equipment and supplies, safety instruction planning, establishing policies, maintaining records, and individual and group instructional strategies.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 56017 STUDENT-CENTERED LEADERSHIP IN CAREER TECHNICAL EDUCATION 3 Credit Hours**

Study of the role of leadership and youth organizations in Career Technical Education with emphasis on the organization and purpose of student leadership and the role of the advisor related to leadership in career technical education.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 56018 DISADVANTAGED YOUTH IN CAREER TECHNICAL EDUCATION 3 Credit Hours**

(Slashed with CTTE 46018) Developing an understanding of disadvantaged youth stressing their characteristics as they pertain to career technical education programs.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 56019 COORDINATION OF CAREER TECHNICAL COOPERATIVE EDUCATION PROGRAMS 3 Credit Hours**

(Slashed with CTTE 46019) Reviews duties, problems, techniques of home, school and work coordination. Internship site selection, job development, servicing the job station, coordinating classroom and work experience. A study of important linkage to local business/ industry and education support agencies for career and technical development.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 56020 CURRICULUM GUIDE: DESIGN AND APPLICATION 3 Credit Hours**

(Slashed with CTTE 46020) Methods and techniques involved in developing and utilizing a curriculum guide in career and technical education subjects. This course includes 15 field clinical hours.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 56095 SPECIAL TOPICS IN CAREER TECHNICAL EDUCATION 1-3 Credit Hours**

(Repeatable for credit) Specialized offerings in response to emerging or selected program needs in career-technical education.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**CTTE 56096 INDIVIDUAL INVESTIGATION IN CAREER TECHNICAL EDUCATION 1-3 Credit Hours**

(Repeatable for credit) (Slashed with CTTE 46096) An individual investigation into problems and topics in career technical education. The investigation is pursued on an individual basis with an assigned faculty member.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-3 other

**Grade Mode:** Satisfactory/Unsatisfactory

**CTTE 59525 INQUIRY INTO PROFESSIONAL PRACTICE 3 Credit Hours**

(Slashed with CTTE 49525) Interdisciplinary inquiry into career/technical teaching as a professional practice in education; emphasis on teacher as disciplined investigator. Final course of four. Combination of themes; utilization of teaching/learning technologies.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 60199 THESIS I 2-6 Credit Hours**

Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 2-6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CTTE 60299 THESIS II 2 Credit Hours**

Thesis students must continue registration each semester until all degree requirements are met.

**Prerequisite:** CTTE 60199; and graduate standing.

**Schedule Type:** Masters Thesis

**Contact Hours:** 2 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**CTTE 66001 PRINCIPLES AND PRACTICES IN CAREER TECHNICAL EDUCATION 3 Credit Hours**

Study of principles, current practices and trends relating to modern programs of career technical education and relationships to the total plan of public education.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 66003 ANALYSIS OF HUMAN RESOURCE DEVELOPMENT 3 Credit Hours**

Provides analysis of human resource development from global, national state and local perspectives including social economic political and demographic influences. Includes the application of the contemporary workforce to engage in life long learning to keep career and technical skills updated.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 66004 PROGRAM EVALUATION IN CAREER TECHNICAL EDUCATION 3 Credit Hours**

Designed to provide the skills and knowledge necessary to evaluate the effectiveness and efficiency of career-technical education curriculum programs personnel.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 66005 SPECIAL POPULATIONS IN CAREER TECHNICAL EDUCATION 3 Credit Hours**

A study of the special populations student in career technical education programs emphasizing characteristics, curriculum modification, instruction and job placement.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**CTTE 66095 SPECIAL TOPICS IN CAREER-TECHNICAL EDUCATION 1-3 Credit Hours**

(Repeatable for credit) Specialized offerings in response to emerging or selected program needs in career-technical education.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**CTTE 66096 INDIVIDUAL INVESTIGATION IN CAREER-TECHNICAL EDUCATION 1-3 Credit Hours**

(Repeatable for credit) (Slashed with CTTE 76096) An investigation into problems and topics in career technical education. The investigation is pursued on an individual basis with an assigned faculty member.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-3 other

**Grade Mode:** Satisfactory/Unsatisfactory

**CTTE 70093 VARIABLE TOPIC WORKSHOP IN CAREER TECHNICAL EDUCATION 1-5 Credit Hours**

(Repeatable for credit) (Slashed with CTTE 40093 and CTTE 50093) Topics of special interest to students desiring to intensify their knowledge in a particular area or areas of career technical education.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Workshop

**Contact Hours:** 1-5 other

**Grade Mode:** Satisfactory/Unsatisfactory

**CTTE 76095 SPECIAL TOPICS IN CAREER-TECHNICAL EDUCATION 1-3 Credit Hours**

(Repeatable for credit) Specialized offerings in response to emerging or selected program needs in career-technical education.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**CTTE 76096 INDIVIDUAL INVESTIGATION IN CAREER-TECHNICAL EDUCATION 1-3 Credit Hours**

(Repeatable for credit) (Slashed with CTTE 66096) An investigation into problems and topics in career technical education. The investigation is pursued on an individual basis with an assigned faculty member.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-3 other

**Grade Mode:** Satisfactory/Unsatisfactory

**CTTE 86098 ADVANCED RESEARCH IN CAREER-TECHNICAL EDUCATION 1-15 Credit Hours**

(Repeatable for credit) Student pursues an individual research project on a specialized career technical education topic with approval and under the direction of an instructor.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Research

**Contact Hours:** 1-15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

## Early Childhood Education (ECED)

**ECED 10120 INTRODUCTION TO EARLY CHILDHOOD SERVICES 1 Credit Hour**

Orientation to the field of early childhood education: historical and present day programs and services for young children 0-12. This course provides an overview of early childhood programs and related services for children and their families birth through age 12. The course is intended for early childhood majors as well as those who may be interested in related fields or are undecided.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 1 lecture

**Grade Mode:** Standard Letter

**Attributes:** TAG Education

**ECED 20101 UNDERSTANDING YOUNG CHILDREN'S DEVELOPMENT 3 Credit Hours**

Growth and development of young children from birth to age 8 as it occurs along both typical and atypical pathways. There are field-based assignments in this course.

**Prerequisite:** Minimum C grade in ECED 10120; and special approval.

**Pre/corequisite:** Minimum C grade in SPED 23000; and admission to advanced study.

**Corequisite:** ECED 20102, ECED 20103, ECED 20105 and ECED 20192 (Block I).

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** TAG Education



**ECED 20102 SOCIAL STUDIES AND THE ARTS IN PRESCHOOL 3 Credit Hours**

Young children's development in the expressive arts and social studies; implications for development of the environment and integrated curriculum and teaching methods for preschool children. There are field-based assignments in this course.

**Prerequisite:** Admission to advanced study.

**Corequisite:** ECED 20101, ECED 20103, ECED 20105 AND ECED 20192 (Block I).

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 20103 PRESCHOOL TEACHING AND LEARNING 3 Credit Hours**

(Equivalent to EYEC 22000) Integrated field-based seminar that gives students a foundation for the ways children learn during the preschool years. This course focuses on the importance of play, guidance of young children, designing quality environments, and authentic documentation and assessment. There are field-based assignments in this course.

**Prerequisite:** Admission to advanced standing.

**Corequisite:** ECED 20101, ECED 20102, ECED 20105 and ECED 20192 (Block I).

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 20105 FAMILY-SCHOOL-COMMUNITY PARTNERSHIPS IN DIVERSE SETTINGS 3 Credit Hours**

(Equivalent to EYEC 21005) Approaches to parent and community involvement in the education and welfare of children are examined, applied, and discussed. Focuses are theories, policies, practices, skills, and knowledge of partnership building in educational settings. An emphasis on differentiation of practices for diverse communities is applied to teaching and learning in preschool classrooms. There are field-based assignments in this course.

**Prerequisite:** Admission to advanced study.

**Corequisite:** ECED 20101, ECED 20102, ECED 20103 and ECED 20192 (Block I).

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** TAG Education

**ECED 20163 UNDERSTANDING YOUNG CHILDREN: TYPICAL AND ATYPICAL PATHWAYS 3 Credit Hours**

Growth and development of young children from birth to age eight as it occurs along both typical and atypical pathways. Pre/Corequisite: SPED 23000; and admission to advanced study.

**Prerequisite:** ECED 10120; and special approval.

**Corequisite:** ECED 30134 and 30164 and 40145.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** TAG Education

**ECED 20192 CLINICAL EXPERIENCE IN PRESCHOOL (ELR) 2 Credit Hours**

(Equivalent to EYEC 22192) Internship in preschool settings. This is a supervised internship working alongside a preschool teacher in a school/childcare setting. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school or agency before the first day of the semester. Official valid certification of Child Safety Training, approved Basic Life Support and A.L.I.C.E. Training must be presented to the campus office of clinical experience or designated faculty-staff at Regional campuses during this semester and as a prerequisite for student teaching.

**Prerequisite:** Admission to advanced study.

**Corequisite:** ECED 20101, ECED 20102, ECED 20103 and ECED 20105 (Block I).

**Schedule Type:** Practical Experience

**Contact Hours:** 15 other

**Grade Mode:** Satisfactory/Unsatisfactory

**Attributes:** Experiential Learning Requirement

**ECED 30123 LANGUAGE AND LITERACY FOR THE PRESCHOOL CHILD 3 Credit Hours**

(Equivalent to EYEC 22130) An examination of the process of language and literacy development in preschool children. The course focuses on how preschool teachers integrate knowledge of development with early school and family literacy learning.

**Prerequisite:** Admission to advanced study.

**Corequisite:** ECED 30142 and ECED 30147 and ECED 40165 and ECED 40192 (ECED Block II).

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 30134 INTEGRATED EXPRESSIVE ARTS AND SOCIAL STUDIES IN PRESCHOOL 3 Credit Hours**

Young children's development in the expressive arts and social studies; implications for development of the environment, integrated curriculum and teaching methods for preschool children.

**Prerequisite:** Admission to advanced study.

**Corequisite:** ECED 20163 and ECED 30164 and ECED 40145 (ECED Block I).

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 30142 PARTNERSHIPS AND GUIDANCE FOR PRESCHOOL CHILDREN 3 Credit Hours**

(Equivalent to EYEC 21005) Appropriate guidance strategies set the foundation for positive experiences our youngest children in school; patterns learned early often set a foundation for primary school entry. This course addresses the concerns of guidance family partnerships and inclusive schooling with preschool children and their educators. It takes a proactive stance, helping teachers develop a constructive guidance approach.

**Prerequisite:** Admission to advanced study.

**Corequisite:** ECED 30123 and ECED 30147 and ECED 40165 and ECED 40192 (ECED Block II).

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 30144 INTEGRATED CURRICULUM FOR SOCIAL STUDIES 3 Credit Hours**

Objectives, resources, curriculum development, methods of teaching social studies and expressive arts at kindergarten and primary levels; emphasis on developing integrated social studies curriculum; infusing multiple forms of expressive arts into integrated curriculum and assessment; and engaging professional collaboration with teachers in the field.

**Prerequisite:** ECED 30134; and admission to advanced study.

**Corequisite:** ECED 40142 and ECED 40105 and ECED 40107 and ECED 40123.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 30147 EARLY EXPERIENCES IN MATHEMATICS AND SCIENCE 3 Credit Hours**

Instructional psychology and materials for effective teaching of mathematics and science in preschool settings with a theoretical emphasis on cognitive development.

**Prerequisite:** MATH 14001 and 14002 with a minimum of a C grade; and admission to advanced study.

**Corequisite:** ECED 30123 and ECED 30142 and ECED 40165 and ECED 40192.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 30164 PRESCHOOL EDUCATION 3 Credit Hours**

Integrated curriculum utilizing principles of developmentally appropriate practice in settings for children under five. Field experience two mornings a week. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school or agency before the first day of the semester.

**Prerequisite:** Admission to advanced standing.

**Corequisite:** ECED 20163 and ECED 30134 and ECED 40145 (ECED Block I).

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 30201 TEACHING EARLY READERS 3 Credit Hours**

(Equivalent to EYEC 22130) An examination of the process of languages and literacies development. This course focuses on teaching literacy to preschool and primary age students

**Prerequisite:** Minimum C grade in the following courses: ECED 30202, ECED 30205, ECED 40203 and ECED 40302 (Block 2); and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 30202 MATHEMATICS AND SCIENCE IN THE EARLY YEARS 3 Credit Hours**

Instructional psychology and materials for effective teaching of mathematics and science in preschool and early primary settings with a theoretical emphasis on cognitive development. Student engagement through authentic, inquiry-based, integrated experiences are explored.

**Prerequisite:** ECED 20101, ECED 20102, ECED 20103, ECED 20105 and ECED 20192 (Block I) all with a minimum C grade; and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 30205 CULTURALLY AND LINGUISTICALLY SUSTAINING PEDAGOGY 3 Credit Hours**

(Equivalent to EYEC 22140) This course extends students' knowledge of the application of culturally and linguistically sustaining curriculum for students in preschool and primary years classrooms. This course has a field component attached to it. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching internship will take place.

**Prerequisite:** Minimum C grade in the following courses: ECED 20101, ECED 20102, ECED 20103, ECED 20105 and ECED 20192 (Block I); and admission to advanced study.

**Corequisite:** ECED 30292.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 30292 CLINICAL EXPERIENCE PRIMARY II (ELR) 1 Credit Hour**

A structured tutoring experience with K-5 students in collaboration with local schools. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school or agency before the first day of the semester.

**Prerequisite:** Minimum C grade in ECED 20192, ECED 20101, ECED 20102, ECED 20103 and ECED 20105 (Block I); and admission to advanced study.

**Corequisite:** ECED 30202 and ECED 30205.

**Schedule Type:** Practical Experience

**Contact Hours:** 12 other

**Grade Mode:** Satisfactory/Unsatisfactory

**Attributes:** Experiential Learning Requirement

**ECED 30392 CLINICAL EXPERIENCE PRIMARY III (ELR) 1 Credit Hour**

A structured field experience with K-5 students in collaboration with local schools. Students are assigned a mentor teacher/classroom and participate in all classroom activities at the field site weekly. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school or agency before the first day of the semester.

**Prerequisite:** Minimum C grade in ECED 30202, ECED 30205, ECED 30292, ECED 40203 and ECED 40302 (Block II); and admission to advanced study.

**Corequisite:** ECED 40305.

**Schedule Type:** Practical Experience

**Contact Hours:** 12 other

**Grade Mode:** Satisfactory/Unsatisfactory

**Attributes:** Experiential Learning Requirement

**ECED 40092 INTEGRATED FIELD EXPERIENCES (ELR) 3 Credit Hours**  
(Repeatable for credit) Participation in experiences offering opportunity to plan and teach reading, language arts, integrated content units and observe students in early childhood classrooms. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school agency before the first day of the semester in which student teaching internship will take place.

**Prerequisite:** Admission to advanced study.

**Corequisite:** ECED 40114 and ECED 40126 and ECED 40127 and ECED 40147.

**Schedule Type:** Practical Experience

**Contact Hours:** 9 other

**Grade Mode:** Satisfactory/Unsatisfactory

**Attributes:** Experiential Learning Requirement

**ECED 40093 VARIABLE TITLE WORKSHOP IN EARLY CHILDHOOD EDUCATION 1-5 Credit Hours**

(Repeatable for credit) (Slashed with ECED 50093 and ECED 70093) Topics of special interest to students desiring to intensify their knowledge in particular areas. Presenters include Kent early childhood faculty members and may include experts from outside agencies and other institutions.

**Prerequisite:** Permission.

**Schedule Type:** Workshop

**Contact Hours:** 3 other

**Grade Mode:** Satisfactory/Unsatisfactory

**ECED 40105 APPROPRIATE PHONICS INSTRUCTION FOR KINDERGARTEN AND PRIMARY CHILDREN 3 Credit Hours**

(Slashed with ECED 50105) An examination of phonics in early reading and writing development, effective strategies for teaching and assessing phonics appropriate for kindergarten and primary grade children.

**Prerequisite:** ECED 30123; and admission to advanced study.

**Corequisite:** ECED 30144 ECED 40107 and ECED 40123 and ECED 40142 (Block III).

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40107 TEACHING MATHEMATICS: EARLY YEARS I 3 Credit Hours**

Instructional psychology and materials for effective teaching of mathematics in grades K-1 with a theoretical emphasis on cognitive development.

**Prerequisite:** ECED 30147 and MATH 14001 and 14002; and admission to advanced study.

**Corequisite:** ECED 30144 and ECED 40105 and ECED 40123 and ECED 40142.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40114 TEACHING SCIENCE IN THE EARLY YEARS 3 Credit Hours**

(Slashed with ECED 50114) This course investigates engaging young children in inquiry-based processes of science. Emphasis is given to creating developmentally appropriate experiences in accordance to NAEYC guidelines. National and state science standards as well as the college and graduate school of education conceptual framework. Attention is focused on the use of science materials safety planning assessment and incorporating science across the curriculum.

**Prerequisite:** ECED 30147; and admission to advanced study.

**Corequisite:** ECED 40126 and ECED 40127 and ECED 40092 and ECED 40147 (Block IV).

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40123 CRITICAL INQUIRY INTO INTEGRATED CURRICULUM IN THE PRIMARY YEARS 3 Credit Hours**

(Slashed with ECED 50123) Theoretical and content background addressing integration of curriculum and global perspectives aligned with the International Baccalaureate Primary Years Program.

**Prerequisite:** Admission to advanced study.

**Corequisite:** ECED 30144 and ECED 40105 and ECED 40107 and ECED 40142.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40125 INQUIRY INTO PROFESSIONAL PRACTICE 3 Credit Hours**

Interdisciplinary inquiry into teaching as a professional practice in early childhood education. Completion of edTPA portfolio.

**Prerequisite:** ECED 40401, ECED 40402, ECED 40403, ECED 40404 and ECED 44444 (Block IV) all with a minimum C grade; and admission to advanced study.

**Corequisite:** ECED 40292.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40126 DEVELOPMENTAL READING AND WRITING: EARLY YEARS 3 Credit Hours**

(Slashed with ECED 50126) This course explores how teachers support children's literacy development through small group strategic instruction based on formative assessments.

**Prerequisite:** ECED 40105; and admission to advanced study.

**Corequisite:** ECED 40092 and ECED 40114 and ECED 40127 and ECED 40147.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40127 DEVELOPING A BALANCED LITERACY PROGRAM (WIC) 3 Credit Hours**

This course expands on the previous three literacy courses to explore how research-based instruction requires a balance of literacy learning formats; an integration with learning in the content areas and is based on assessment of individual children's writing abilities and how to design instruction to meet the needs of writers. The course specifically develops understandings about principles, practices, theories and research related to writing instruction.

**Prerequisite:** ECED 40105; and admission to advanced study.

**Corequisite:** ECED 40114 and ECED 40126 and ECED 40092 and ECED 40147.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Writing Intensive Course

**ECED 40142 HOME-SCHOOL-COMMUNITY-PARTNERSHIPS IN DIVERSE CONTEXTS (ELR) 3 Credit Hours**

(Slashed with ECED 50142) Approaches to parent and community involvement in the education and welfare of children are examined, applied, and discussed. Focuses are theories, policies, practices, skills, and knowledge of partnership building in educational settings. An emphasis on differentiation of practices for diverse communities is applied to teaching and learning in the primary grades.

**Prerequisite:** Admission to advanced study.

**Corequisite:** ECED 30144 and ECED 40105 and 40107 and 40123.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement, TAG Education

**ECED 40145 MUSIC MOVEMENT IN PRE-PRIMARY EDUCATION 3 Credit Hours**

(Slashed with ECED 50145) Music and movement for pre-primary children. Course intended for majors in early childhood education or other persons desiring additional work with pre-primary children.

**Prerequisite:** Admission to advanced study.

**Corequisite:** ECED 20163 and ECED 30134 and ECED 30164 (ECED Block I).

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40147 TEACHING MATHEMATICS:EARLY YEARS II 3 Credit Hours**

Instructional psychology and materials for effective teaching of mathematics in grades K-3 with a theoretical emphasis on cognitive development.

**Prerequisite:** MATH 14001 and 14002 with a minimum C grade; and admission to advanced study.

**Corequisite:** ECED 40114 and ECED 40126 and ECED 40127 and ECED 40092 (Block IV).

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40151 GUIDANCE OF YOUNG CHILDREN 3 Credit Hours**

Principles and practices of appropriate guidance for young children, intervention strategies, resources and materials for guidance.

**Prerequisite:** Admission to advanced study.

**Corequisite:** ECED 40105 and 40107 and 40142 and CULT 29535.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40165 INTEGRATED APPLICATION OF PRESCHOOL CURRICULUM 3 Credit Hours**

(Equivalent to EYEC 22140) Internship in preschool. Advanced integrated preschool curriculum utilizing principles of developmentally appropriate practice focusing on infant toddler and preschool age children.

Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching internship will take place.

**Prerequisite:** ECED 30164.

**Corequisite:** ECED 30123 and ECED 30142 and ECED 30147 and ECED 40192.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40192 INTERNSHIP IN PRESCHOOL (ELR) 4-6 Credit Hours**

(Equivalent to ECET 22192) Internship in preschool settings, full day for fifteen weeks. Corequisites: ECED 30123 and ECED 30142 and ECED 30147 and ECED 40165

**Prerequisite:** ECED 30164; and admission to advanced study; and Official valid certification of Child Safety Training, approved Basic Life Support and ALICE Training must be presented to the campus office of clinical experience or designated faculty/staff at Regional campuses as prerequisite for student teaching.

**Schedule Type:** Practical Experience

**Contact Hours:** 20-30 other

**Grade Mode:** Satisfactory/Unsatisfactory

**Attributes:** Experiential Learning Requirement

**ECED 40196 INDIVIDUAL INVESTIGATION IN EARLY CHILDHOOD EDUCATION 1-5 Credit Hours**

(Repeatable for credit) Open to seniors in ECED. Intensive individual study on an early childhood topic selected by student and adviser.

**Prerequisite:** Admission to advanced study; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-5 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ECED 40203 CRITICAL INQUIRY: THE INTERNATIONAL BACCALAUREATE FRAMEWORK 3 Credit Hours**

(Slashed with ECED 50203) Theoretical and content background addressing integration of curriculum and global perspectives aligned with the International Baccalaureate Primary Years Program.

**Prerequisite:** Minimum C grade in the following courses ECED 20101, ECED 20102, ECED 20103, ECED 20105 and ECED 20192 (Block I); and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40292 INTERNSHIP IN ELEMENTARY SCHOOLS (ELR) 4-9 Credit Hours**

(Repeatable for credit) Internship in grades K-5, full day for 15 weeks. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching internship will take place.

**Prerequisite:** ECED 40401, ECED 40402, ECED 40403, ECED 40404 and ECED 44444 (Block IV) all with a minimum C grade; official valid certification of Child Safety Training, approved Basic Life Support and ALICE Training must be presented to the campus office of clinical experience or designated faculty-staff at Regional campuses as prerequisite for student teaching; and admission to advanced study.

**Corequisite:** ECED 40125.

**Schedule Type:** Practical Experience

**Contact Hours:** 18-36 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**Attributes:** Experiential Learning Requirement

**ECED 40301 TEACHING SOCIAL STUDIES IN THE ELEMENTARY YEARS 3 Credit Hours**

Objectives, resources, curriculum development, and methods of teaching social studies K-fifth grade with an emphasis on developing integrated social studies curriculum and engaging professional collaboration with teachers in the field. Emphasis on non-dominant narratives will be considered. At least one field experience assignment will be integrated in this course.

**Prerequisite:** Minimum C grade in the following courses: ECED 30202, ECED 30205, ECED 30292, ECED 40203 and ECED 40302 (Block II); and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40302 TEACHING PHONICS AND WORD STUDY 3 Credit Hours**

(Slashed with ECED 50302) An examination of phonics in reading and writing development; effective strategies for teaching and assessing phonics appropriate for K-5 students.

**Prerequisite:** ECED 20101, ECED 20102, ECED 20103, ECED 20105, ECED 20192 (Block I) all with a minimum C grade; and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40303 TEACHING MATHEMATICS IN THE ELEMENTARY YEARS I 3 Credit Hours**

Instructional psychology and materials for effective teaching of mathematics in grades K-5 with a theoretical emphasis on cognitive development; application of curriculum planning, teaching strategies, and task analysis. There are field-based assignments in this course.

**Prerequisite:** Minimum C grade in the following courses: ECED 30202, ECED 30205, ECED 30292, ECED 40203 and ECED 40302 (Block II); and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40304 TEACHING SCIENCE IN THE ELEMENTARY YEARS 3 Credit Hours**

(Slashed with ECED 50304) This course investigates engaging students in inquiry-based science practices and big science ideas. Emphasis is given to creating developmentally appropriate experiences.

**Prerequisite:** Minimum C grade in the following courses: ECED 30202, ECED 30205, ECED 30292, ECED 40203 and ECED 40302 (Block II); and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40305 GUIDANCE AND ASSESSMENT: SUPPORTING ALL CHILDREN 3 Credit Hours**

This course addresses the complexities of addressing individual student needs within the larger classroom setting. Strategies specific to guidance and assessment are examined to meet social/emotional and cognitive development needs and set the foundation for positive experiences in school. This course highlights a proactive stance, helping teachers develop a constructive guidance approach and meaningful assessment practices. There are field-based assignments in this course.

**Prerequisite:** Minimum C grade in ECED 30202, ECED 30205, ECED 30292, ECED 40203 and ECED 40302 (Block II); and admission to advanced study.

**Corequisite:** ECED 30392.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40401 TEACHING SCIENCE AND SOCIAL STUDIES IN THE ELEMENTARY YEARS 3 Credit Hours**

This course focuses on the following aspects for the elementary grades: science and social studies content and practices; planning and teaching of science and social studies; and critical literacy and non-dominant narratives. There are field-based assignments in this course.

**Prerequisite:** Minimum C grade in ECED 30201, ECED 30392, ECED 40301, ECED 40303, ECED 40304 and ECED 40305 (Block III); and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40402 TEACHING READERS IN THE ELEMENTARY YEARS 3 Credit Hours**

(Slashed with ECED 50402) This course explores how teachers support children's literacy development through small group strategic instruction based on formative assessments.

**Prerequisite:** ECED 30201, ECED 30392, ECED 40301, ECED 40303, ECED 40304 and ECED 40305 (Block III); and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter



**ECED 40403 TEACHING WRITERS IN THE ELEMENTARY YEARS (WIC) 3 Credit Hours**

This course expands on the previous three literacy courses to explore how research-based instruction requires a balance of literacy learning formats; an integration with learning in the content areas and is based on assessment of individual children's writing abilities and how to design instruction to meet the needs of writers. The course specifically develops understandings about principles, practices, theories and research related to writing instruction. There are field-based assignments in this course.

**Prerequisite:** Minimum C grade in the following courses: ECED 30201, ECED 30392, ECED 40301, ECED 40303, ECED 40304, and ECED 40305 (Block III); and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Writing Intensive Course

**ECED 40404 TEACHING MATHEMATICS IN THE ELEMENTARY YEARS II 3 Credit Hours**

Instructional psychology and materials for effective teaching of mathematics in grades K-5 with a theoretical emphasis on cognitive development. There are field-based assignments in this course.

**Prerequisite:** Minimum C grade in ECED 30201, ECED 30392, ECED 40301, ECED 40303, ECED 40304 and ECED 40305 (Block III); and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 40492 CLINICAL EXPERIENCE PRIMARY IV (ELR) 1 Credit Hour**

A structured field experience with K-5 students in collaboration with local schools. Students are assigned a mentor teacher/classroom and participate in all classroom activities at the field site weekly. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school or agency before the first day of the semester.

**Prerequisite:** Minimum C grade in ECED 30201, ECED 40301, ECED 40303, ECED 40304 and ECED 40305 (Block III); and admission to advanced study.

**Corequisite:** ECED 44444.

**Schedule Type:** Practical Experience

**Contact Hours:** 12 other

**Grade Mode:** Satisfactory/Unsatisfactory

**Attributes:** Experiential Learning Requirement

**ECED 44444 DEVELOPMENT AND PEDAGOGY IN UPPER ELEMENTARY SCHOOL 3 Credit Hours**

Growth and development of children in grades four and five; implications for the application to the intermediate classroom; developmentally-appropriate practices including differentiation; examination of classroom systems and whole-child learning including impacts of trauma and stress. There are field-based assignments in this course.

**Prerequisite:** Minimum C grade in ECED 30201, ECED 30392, ECED 40301, ECED 40303, ECED 40304 and ECED 40305 (Block III); and admission to advanced study.

**Corequisite:** ECED 40492.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50093 VARIABLE TITLE WORKSHOP IN EARLY CHILDHOOD EDUCATION 1-5 Credit Hours**

(Repeatable for credit) (Slashed with ECED 40093 and ECED 70093) Variable topic workshop in early childhood education.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Workshop

**Contact Hours:** 1-5 other

**Grade Mode:** Satisfactory/Unsatisfactory

**ECED 50105 APPROPRIATE PHONICS INSTRUCTION FOR KINDERGARTEN AND PRIMARY CHILDREN 3 Credit Hours**

An examination of phonics in early reading and writing development, effective strategies for teaching and assessing phonics appropriate for kindergarten and primary grade children.

**Prerequisite:** ECED 60167; and Early Childhood Education major; and graduate standing.

**Corequisite:** ECED 50147, ECED 50114 and ECED 50126.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50114 TEACHING SCIENCE IN THE EARLY YEARS 3 Credit Hours**

(Slashed with ECED 40114) This course investigates engaging young children in inquiry-based processes of science. Emphasis is given to creating developmentally appropriate experiences in accordance to NAEYC guidelines. National and state science standards as well as the college and graduate school of education conceptual framework. Attention is focused on the use of science materials safety planning assessment and incorporating science across the curriculum.

**Prerequisite:** Graduate standing in the Master of Arts in Teaching program.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50123 CRITICAL INQUIRY INTO INTEGRATED CURRICULUM IN THE PRIMARY YEARS 3 Credit Hours**

(Slashed with ECED 40123) Theoretical and content background addressing integration of curriculum and global perspectives aligned with the International Baccalaureate Primary Years Program.

**Prerequisite:** ECED 60113 and 60152; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50125 INQUIRY INTO PROFESSIONAL PRACTICE 3 Credit Hours**

(Slashed with ECED 40125) Interdisciplinary inquiry into teaching as a professional practice in early childhood education. Completion of a unit wide assessment determined by EHHS teacher education. Corequisites: ECED 67292

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50126 DEVELOPMENTAL READING AND WRITING: THE EARLY YEARS 3 Credit Hours**

(Slashed with ECED 40126) This course explores how teachers support children's literacy development through small group strategic instruction based on formative assessments.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50142 HOME, SCHOOL AND COMMUNITY RELATIONS 3 Credit Hours**

(Slashed with ECED 40142) Approaches to parent and community involvement in the education and welfare of children. Understanding of role of community agencies and organizations.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50145 MUSIC AND MOVEMENT IN PRE-PRIMARY EDUCATION 3 Credit Hours**

(Slashed with ECED 40145) Music and movement for pre-primary children. Course intended for majors in early childhood education or other persons desiring additional work with pre-primary children.

**Prerequisite:** Graduate standing; and special approval from instructor.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50147 TEACHING MATHEMATICS:EARLY YEARS 3 Credit Hours**

Instructional psychology and materials for effective teaching of mathematics in prekindergarten through grade three with a theoretical emphasis on cognitive development.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50153 ORGANIZATION AND SUPERVISION OF EARLY CHILDHOOD CENTERS 3 Credit Hours**

Basic guidelines for establishing and supervising early childhood settings for infants, preschool and school age children.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50203 CRITICAL INQUIRY: THE INTERNATIONAL BACCALAUREATE FRAMEWORK 3 Credit Hours**

(Slashed with ECED 40203) Theoretical and content background addressing integration of curriculum and global perspectives aligned with the International Baccalaureate Primary Years Program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50301 TEACHING SOCIAL STUDIES IN K-5 CLASSROOMS 3 Credit Hours**

Social Studies objectives, resources, curriculum development, and methods of teaching K-5 with an emphasis on developing integrated social studies curriculum and engaging professional collaborations with teachers in the field is emphasized. Narratives of diversity and difference with an emphasis upon social justice pedagogies are discussed and described. At least one field based experience assignment will be integrated into teaching and learning in this course.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50302 TEACHING PHONICS AND WORD STUDY 3 Credit Hours**

(Slashed with ECED 40302) An examination of phonics in reading and writing development, effective strategies for teaching and assessing phonics appropriate for K-5 students.

**Prerequisite:** Early Childhood Education major; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50303 TEACHING MATHEMATICS IN THE ELEMENTARY YEARS I 3 Credit Hours**

Instructional psychology and materials for effective teaching of mathematics in grades K-5 with a theoretical emphasis on cognitive development.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50304 TEACHING SCIENCE IN THE ELEMENTARY YEARS 3 Credit Hours**

(Slashed with ECED 40304) This course investigates engaging students in inquiry-based science practices and big science ideas. Emphasis is given to creating developmentally appropriate experiences.

**Prerequisite:** Majors enrolled in a Master of Arts in Teaching degree; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50402 TEACHING READERS IN THE ELEMENTARY YEARS 3 Credit Hours**

(Slashed with ECED 40402) This course explores how teachers support children's literacy development through small group strategic instruction based on formative assessments.

**Prerequisite:** ECED 50302 and ECED 60201 with a minimum C grade; and Early Childhood Education within the Master of Arts in Teaching degree; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50403 TEACHING WRITERS IN THE ELEMENTARY YEARS 3 Credit Hours**

This course expands on the previous three literacy courses to explore how research-based instruction requires a balance of literacy learning formats; an integration with learning in the content areas and is based on assessment of individual children's writing abilities and how to design instruction to meet the needs of writers. The course specifically develops understandings about principles, practices, theories and research related to writing instruction.

**Prerequisite:** ECED 50302 and ECED 60201; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 50404 TEACHING MATHEMATICS IN THE ELEMENTARY YEARS II 3 Credit Hours**

Instructional psychology and materials for effective teaching of mathematics in grades K-5 with a theoretical emphasis on cognitive development. There are field based assignments in this course.

**Prerequisite:** ECED 50303 and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 54444 DEVELOPMENT AND PEDAGOGY IN UPPER ELEMENTARY SCHOOL 3 Credit Hours**

Growth and development of children in grades four and five; implications for the application to the intermediate classroom; developmentally-appropriate practices including differentiation; examination of classroom systems and whole-child learning including impacts of trauma and stress.

**Prerequisite:** Graduate standing.

**Pre/corequisite:** CI 67005.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60101 CONSTRUCTIVIST TEACHING IN TRADITIONAL AND NON-TRADITIONAL EARLY CHILDHOOD SETTINGS 3 Credit Hours**

Theorists and researchers with a constructivist orientation will be examined in relationship to teacher beliefs and diverse settings. The course will focus on constructivist practices emphasizing child sensitive curriculum within traditional (classrooms and schools) and non-traditional settings (museums, forests, etc.).

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60102 DEVELOPING A BALANCED LITERACY PROGRAM 3 Credit Hours**

An examination of own teaching practice focusing on assessment strategies to inform decision making for individual children and evaluation strategies to fine tune a balanced literacy program.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60103 SOCIAL STUDIES AND THE ARTS IN PRESCHOOL 3 Credit Hours**

Young children's development in the expressive arts and social studies; implications for development of the environment, integrated curriculum and teaching methods for preschool children.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60110 TEACHING HUMANITIES: EARLY YEARS 3 Credit Hours**

Looking at Humanities through the lens of a young child's experience in learning with a focus on visual thinking and expression, music and movement.

**Prerequisite:** Admission to advanced study; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60112 HUMANITIES FOR CHILDREN 2 Credit Hours**

(Slashed with ECED 70112) Relevance of humanities as applied to education of young children.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

**ECED 60113 PRESCHOOL EDUCATION 3 Credit Hours**

(Slashed with ECED 70113) In-depth study of curriculum development in preschool programs.

**Prerequisite:** Graduate standing.

**Corequisite:** ECED 67292.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60115 SCIENCE TECHNOLOGY ENGINEERING AND MATHEMATICS FOUNDATIONS FOR EARLY AND MIDDLE CHILDHOOD EDUCATION 3 Credit Hours**

(Cross-listed with MCEd 60115) This course introduces early and middle childhood educators to STEM (Science, Technology, Engineering, Mathematics) for students in K-6 classrooms. This includes a foundation and overview of the what, how, and why STEM is included in K-6 classrooms. As a foundations course, students will gain exposure to integrating the STEM disciplines, assessment of mathematics and science in STEM, and aspects of developmentally appropriate STEM for early and middle childhood settings.

**Prerequisite:** ECED 50303 and graduate standing.

**Pre/corequisite:** ECED 50404; ECED 50304.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60116 SCIENCE TECHNOLOGY ENGINEERING AND MATH INQUIRY FOR EARLY CHILDHOOD EDUCATION 3 Credit Hours**

This course builds on STEM Foundations for Early Childhood Education. Interdisciplinary teaching of STEM for young children is the main focus, with attention to specific pedagogical applications. Thus, inquiry as a pedagogic approach to STEM application is a central, concurrent feature of this course.

**Prerequisite:** ECED 60115; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60145 TEACHING SOCIAL STUDIES: EARLY YEARS 3 Credit Hours**

Involves the systematic study of the theories, methods, and materials necessary to successfully teach social studies to diverse populations of pre-Kindergarten and elementary school students growing up in a global society. The course will consider aspects of the history of social studies and theory and research in social education as a background for understanding methods and materials.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60151 SOCIOMORAL ENVIRONMENT IN EARLY CHILDHOOD EDUCATION 3 Credit Hours**

(Slashed with ECED 70151) Children's social and moral development will be explored in relationship to the context of primary classrooms. Children's social problem-solving, friendship making, guidance strategies and interventions, building and facilitating classroom communities and promoting caring classrooms will be the focus of this course.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60152 APPLICATION OF SELECTED THEORETICAL PRINCIPLES TO THE DEVELOPMENT OF YOUNG CHILDREN 3 Credit Hours**

(Slashed with ECED 70152) Examination of theories pertaining to child development which have special relevance in understanding and meeting developmental needs of young children. Application of selected theoretical principles to child development.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60156 FOUNDATIONS IN EARLY CHILDHOOD SERVICES 3 Credit Hours**

(Cross-listed with SPED 63956 and SPED 73956) Issues facing children within family/society; history of early childhood services; theoretical perspectives; implications of childhood disabilities; recommended assessment, intervention and evaluation.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60158 RECONCEPTUALIZING EARLY CHILDHOOD CURRICULUM 3 Credit Hours**

(Slashed with ECED 70158) Course examines postmodern understanding of early childhood education curricula in relationship to teaching (instruction-oriented teaching vs. pedagogy-based teaching). Social, historical, legal, political, international and cultural issues that have affected early childhood education curricula practices will be critically examined.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60159 FAMILY PROFESSIONAL COLLABORATION IN EARLY CHILDHOOD 3 Credit Hours**

(Cross-listed with SPED 63952) Examines issues facing families and professionals serving young children who are at risk, disabled and typically developing.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60160 TYPICAL AND ATYPICAL DEVELOPMENT IN YOUNG CHILDREN 3 Credit Hours**

(Cross-listed with SPED 63955) Overview of typical/atypical development pathways age three to grade three: theories of behavior, implications of atypical development on play/learning; development within ecological framework.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60163 CONTEMPORARY ISSUES AND TRENDS IN EARLY CHILDHOOD EDUCATION 3 Credit Hours**

(Slashed with ECED 70163) The course is an examination of contemporary issues with young children, families, school communities, and diverse populations detailing the philosophical, social, and political ramifications of the study of children highlighting current research, practices and policies. This course will examine a body of literature, (recent seminal works of impact in early childhood), which encompass a few of the pervasive dilemmas and debates shaping the early childhood field in the U.S. today (with a global international backdrop). International perspectives on issues will be liberally juxtaposed in conjunction with U.S. issues, and overall this course will address how educators have and can structure their practice with various communities to support young children, families, and society.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60167 LANGUAGE AND LITERACY: UNDERSTANDING DEVELOPMENT 3 Credit Hours**

(Slashed with ECED 70167) The development of language in children from birth through age eight with a focus on the process of typical language development and the diversity of multi-cultural language. Topics specifically related to classroom teaching include the assessment of language delays and disorders and strategies for connecting oral language to literacy in preschool.

**Prerequisite:** Graduate standing.

**Corequisite:** ECED 60152.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter



**ECED 60170 WRITING FOR PUBLICATION AND DISSEMINATION IN EARLY CHILDHOOD EDUCATION 3 Credit Hours**

The seminar examines publication possibilities within early childhood education. A wide range of writing (e.g., journals, book reviews, training modules-manuals) will be reviewed for topics concerning young children (i.e., education, development, families, care, schools, health, and-or their teachers-providers.) This seminar will rely greatly on student participation for determining topics in support of individual interests, research, teaching practices at the university level, curriculum practices in the early childhood classrooms and settings, and more.

**Prerequisite:** Graduate standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60199 THESIS I 2-6 Credit Hours**

Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 2-6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ECED 60201 TEACHING EARLY READERS 3 Credit Hours**

An examination of the process of languages and literacies development. This course focuses on teaching literacy to primary age students.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 60299 THESIS II 2 Credit Hours**

Thesis students must continue registration each semester until all degree requirements are met.

**Prerequisite:** ECED 60199; and graduate standing.

**Schedule Type:** Masters Thesis

**Contact Hours:** 2 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ECED 60392 CLINICAL EXPERIENCE PRIMARY III 1 Credit Hour**

A structured field experience with K-5 students in collaboration with local schools. Students are assigned a mentor teacher/classroom and participate in all classroom activities at the field site weekly. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school or agency before the first day of the semester.

**Prerequisite:** Graduate standing.

**Schedule Type:** Practical Experience

**Contact Hours:** 12 other

**Grade Mode:** Satisfactory/Unsatisfactory

**ECED 60492 CLINICAL EXPERIENCE PRIMARY IV 1 Credit Hour**

A structured field experience with K-5 students in collaboration with local schools. Students are assigned a mentor teacher/classroom and participate in all classroom activities at the field site weekly. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school or agency before the first day of the semester.

**Prerequisite:** Graduate standing.

**Schedule Type:** Practical Experience

**Contact Hours:** 12 other

**Grade Mode:** Satisfactory/Unsatisfactory

**ECED 63333 FAMILY-SCHOOL-COMMUNITY PARTNERSHIPS IN DIVERSE SETTINGS 3 Credit Hours**

Approaches to parent and community involvement in the education and welfare of children are examined, applied, and discussed. Focuses are theories, policies, practices, skills, and knowledge of partnership building in educational settings. An emphasis on differentiation of practices for diverse communities is applied to teaching and learning in the primary grades.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 67291 SEMINAR IN EARLY CHILDHOOD EDUCATION 1-4 Credit Hours**

(Repeatable for credit) (Slashed with ECED 77291) Seminar in early childhood education.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Seminar

**Contact Hours:** 1-4 other

**Grade Mode:** Standard Letter

**ECED 67292 PRACTICUM AND INTERNSHIP IN EARLY CHILDHOOD EDUCATION 1-10 Credit Hours**

(Repeatable for credit) (Slashed with ECED 77292) Practicum/internship in early childhood education. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of the semester in which student teaching/ internship will take place.

**Prerequisite:** Official valid certification of Child Safety Training, approved Basic Life Support and ALICE Training must be presented to the campus office of clinical experience or designated faculty/staff at Regional campuses as prerequisite for student teaching; and graduate standing.

**Schedule Type:** Practical Experience

**Contact Hours:** 3-30 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ECED 67295 SPECIAL TOPICS IN EARLY CHILDHOOD EDUCATION 1-5 Credit Hours**

(Repeatable for credit) (Slashed with ECED 77295) Special topics in early childhood education.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 1-5 lecture

**Grade Mode:** Standard Letter

**ECED 67296 INDIVIDUAL INVESTIGATION IN EARLY CHILDHOOD EDUCATION 1-5 Credit Hours**

(Repeatable for credit) Individual investigation in early childhood education.

**Prerequisite:** Graduate standing; and permission.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-5 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ECED 67298 RESEARCH IN EARLY CHILDHOOD EDUCATION 1-15 Credit Hours**

(Repeatable for credit) Research in early childhood education.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Research

**Contact Hours:** 1-15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP



**ECED 70093 VARIABLE TITLE WORKSHOP IN EARLY CHILDHOOD EDUCATION 1-5 Credit Hours**

(Repeatable for credit) (Slashed with ECED 40093 and ECED 50093)

**Prerequisite:** Doctoral standing; and special approval.**Schedule Type:** Workshop**Contact Hours:** 1-5 other**Grade Mode:** Satisfactory/Unsatisfactory**ECED 70101 CONSTRUCTIVIST TEACHING IN EARLY CHILDHOOD CLASSROOMS 3 Credit Hours**

Theorists and researchers with a constructivist orientation will be examined in relationship to teacher beliefs. The course will focus on constructivist practices emphasizing child-sensitive curriculum and teaching practices.

**Prerequisite:** Doctoral standing.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**ECED 70102 DEVELOPING A BALANCED LITERACY PROGRAM 3 Credit Hours**

An examination of own teaching practice focusing on assessment strategies to inform decision-making for individual children and evaluation strategies to fine tune a balanced literacy program.

**Prerequisite:** Doctoral standing.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**ECED 70112 HUMANITIES FOR CHILDREN 2 Credit Hours**

(Slashed with ECED 60112) Relevance of humanities as applied to education of young children.

**Prerequisite:** Doctoral standing.**Schedule Type:** Lecture**Contact Hours:** 2 lecture**Grade Mode:** Standard Letter**ECED 70113 PRESCHOOL EDUCATION 3 Credit Hours**

(Slashed with ECED 60113) In-depth study of curriculum development in preschool programs.

**Prerequisite:** Doctoral standing.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**ECED 70151 SOCIOMORAL ENVIRONMENT IN EARLY CHILDHOOD EDUCATION 3 Credit Hours**

(Slashed with ECED 60151) Children's social and moral development will be explored in relationship to the context of primary classrooms. Children's social problem-solving, friendship-making, guidance strategies and interventions, building and facilitating classroom communities and promoting caring classrooms will be the focus of this course.

**Prerequisite:** Doctoral standing.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**ECED 70152 APPLICATION OF SELECTED THEORETICAL PRINCIPLES TO THE DEVELOPMENT OF YOUNG CHILDREN 3 Credit Hours**

(Slashed with ECED 60152) Examination of theories pertaining to child development which have special relevance in understanding and meeting developmental needs of young children. Application of selected theoretical principles to child development.

**Prerequisite:** Doctoral standing.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**ECED 70158 RECONCEPTUALIZING EARLY CHILDHOOD CURRICULUM 3 Credit Hours**

(Slashed with ECED 60158) Course examines postmodern understanding of early childhood education curricula in relationship to teaching (instruction-oriented teaching vs. pedagogy-based teaching). Social, historical, legal, political, international and cultural issues that have affected early childhood education curricula practices will be critically examined.

**Prerequisite:** Doctoral standing.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**ECED 70163 CONTEMPORARY ISSUES AND TRENDS IN EARLY CHILDHOOD EDUCATION 3 Credit Hours**

(Slashed with ECED 60163) The course is an examination of contemporary issues with young children, families, school communities, and diverse populations detailing the philosophical, social, and political ramifications of the study of children highlighting current research, practices and policies. This course will examine a body of literature (recent seminal works of impact in early childhood), which encompass a few of the pervasive dilemmas and debates shaping the early childhood field in the U.S. today (with a global international backdrop). International perspectives on issues will be liberally juxtaposed with U.S. issues, and overall this course will address how educators have and can structure their practice with various communities to support young children, families and society.

**Prerequisite:** Doctoral standing.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter**ECED 70167 LANGUAGE AND LITERACY: UNDERSTANDING DEVELOPMENT 3 Credit Hours**

(Slashed with ECED 60167) The development of language in children from birth through age eight with a focus on the process of typical language development and the diversity of multi-cultural language. Topics specifically related to classroom teaching include the assessment of language, delays and disorders and strategies for connecting oral language to literacy in preschool.

**Prerequisite:** Doctoral standing.**Schedule Type:** Lecture**Contact Hours:** 3 lecture**Grade Mode:** Standard Letter

**ECED 70170 WRITING FOR PUBLICATION AND DISSEMINATION IN EARLY CHILDHOOD EDUCATION 3 Credit Hours**

(Slashed with ECED 60170) The seminar examines publication possibilities within the field of early childhood education. A wide range of writing (e.g., journals, books reviews, training modules-manuals) will be reviewed for topics concerning young children (i.e., education, development, families, care, schools, health, and-or their teachers providers.) This seminar will rely a great deal on student participation for determining topics in support of individual interests, research, teaching practices at the university level, curriculum practices in the early childhood classrooms and settings and more.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECED 77291 SEMINAR IN EARLY CHILDHOOD EDUCATION 1-4 Credit Hours**

(Repeatable for credit) (Slashed with ECED 67291) Seminar in ECED.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Seminar

**Contact Hours:** 1-4 other

**Grade Mode:** Standard Letter

**ECED 77292 PRACTICUM AND INTERNSHIP IN EARLY CHILDHOOD EDUCATION 1-10 Credit Hours**

(Repeatable for credit) (Slashed with ECED 67292) Practicum/ internship in ECED. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of the semester in which student teaching/ internship will take place.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3-30 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ECED 77295 SPECIAL TOPICS IN EARLY CHILDHOOD EDUCATION 1-5 Credit Hours**

(Repeatable for credit) (Slashed with ECED 67295) Special topics in ECED.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 1-5 lecture

**Grade Mode:** Standard Letter

**ECED 80291 ADVANCED SEMINAR IN EARLY CHILDHOOD EDUCATION 1-4 Credit Hours**

(Repeatable for credit) Advanced seminar in ECED.

**Prerequisite:** Doctoral standing; and permission.

**Schedule Type:** Seminar

**Contact Hours:** 1-4 other

**Grade Mode:** Standard Letter

**ECED 80295 SPECIAL TOPICS IN EARLY CHILDHOOD EDUCATION 1-5 Credit Hours**

(Repeatable for credit) Special topics in ECED.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 1-5 lecture

**Grade Mode:** Standard Letter

**ECED 80298 RESEARCH IN EARLY CHILDHOOD EDUCATION 1-15 Credit Hours**

(Repeatable for credit) Research in ECED.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Research

**Contact Hours:** 1-15 other

**Grade Mode:** Standard Letter

## Educational Technology (ETEC)

**ETEC 39525 EDUCATIONAL TECHNOLOGY 3 Credit Hours**

Develops knowledge and skills in designing, implementing, and assessing learning experiences, using various digital tools and resources to support teaching, learning and research.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 40093 VARIABLE TITLE WORKSHOP IN EDUCATIONAL TECHNOLOGY 1-4 Credit Hours**

(Repeatable for credit) (Slashed with ETEC 50093) Variable topic workshop designed to respond to emerging or specialized needs in educational technology.

**Prerequisite:** None.

**Schedule Type:** Workshop

**Contact Hours:** 1-4 other

**Grade Mode:** Satisfactory/Unsatisfactory

**ETEC 47400 TRENDS IN EDUCATIONAL TECHNOLOGY 3 Credit Hours**

(Slashed with ETEC 57400) Overview of current technologies as they are used in education. Teaches principles and techniques for selecting and using technology for instruction. Focuses on digital technologies that can be used to increase the effectiveness of education.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 47403 INSTRUCTIONAL DESIGN 3 Credit Hours**

(Slashed with ETEC 57403) Enables students to design and develop instructional systems and materials using a systematic and research-and theory-based instructional design model.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 47427 TECHNOLOGY AND LEARNING 3 Credit Hours**

(Slashed with ETEC 57427) The effective use of technology for teaching and learning depends on understanding how researchers have created, integrated, and adapted technology integration and adoption models.

This course presents an overview of key theories and concepts that have transformed our understanding of educational technology. It relies on a knowledge of the psychological principles of learning. Students without such knowledge should consider taking EPSY 29525 Educational Psychology first.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 47495 SPECIAL TOPICS: EDUCATIONAL TECHNOLOGY 1-4 Credit Hours**

(Repeatable for credit) Specialized offering in response to emerging or selected program needs in educational technology.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 1-4 lecture

**Grade Mode:** Standard Letter

**ETEC 47496 INDIVIDUAL INVESTIGATION IN EDUCATIONAL TECHNOLOGY 1-3 Credit Hours**

(Repeatable for credit) Directed independent reading and/or research of special interest or need in student's program. Planned with and directed by a faculty member.

**Prerequisite:** Special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ETEC 50093 VARIABLE TITLE WORKSHOP IN EDUCATIONAL TECHNOLOGY 1-4 Credit Hours**

(Repeatable for credit) (Slashed with ETEC 40093) Variable topic workshop designed to respond to emerging or specialized needs in educational technology.

**Prerequisite:** Graduate standing.

**Schedule Type:** Workshop

**Contact Hours:** 1-4 other

**Grade Mode:** Satisfactory/Unsatisfactory

**ETEC 57400 TRENDS IN EDUCATIONAL TECHNOLOGY 3 Credit Hours**

(Slashed with ETEC 47400) Overview of current technologies as they are used in education. Teaches principles and techniques for selecting and using technology for instruction. Focuses on digital technologies that can be used to increase the effectiveness of education.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 57403 INSTRUCTIONAL DESIGN 3 Credit Hours**

(Slashed with ETEC 47403) Enables students to design and develop instructional systems and materials using a systematic and research- and theory-based instructional design model.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 57427 TECHNOLOGY AND LEARNING 3 Credit Hours**

(Slashed with ETEC 47427) The effective use of technology for teaching and learning depends on understanding how researchers have created, integrated, and adapted technology integration and adoption models. This course presents an overview of key theories and concepts that have historically transformed our understanding of educational technology. It relies on a knowledge of the psychological principles of learning. Students without such knowledge should consider taking EPSY 65524 Learning Theories, first.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 60199 THESIS I 2-6 Credit Hours**

(Repeatable for credit) Students electing to complete a thesis to fulfill the requirements for the Master of Education degree must register for at least one semester of Thesis I.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 6-18 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ETEC 60299 THESIS II 2 Credit Hours**

(Repeatable for credit) When 6 credits of Thesis I have been complete, students electing to complete a thesis to fulfill the requirements for the Master of Education degree must continue to register each semester for Thesis II until all degree requirements have been completed.

**Prerequisite:** Graduate standing.

**Schedule Type:** Masters Thesis

**Contact Hours:** 6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ETEC 67402 MANAGING SCHOOL TECHNOLOGY CENTERS AND PROGRAMS 3 Credit Hours**

(Slashed with ETEC 77402) Provides skills in planning, organizing, administering and evaluating school-based technology and media centers.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 67410 SIMULATIONS AND GAMES IN EDUCATION 3 Credit Hours**

(Slashed with ETEC 77410) Introduction to digital simulations and games as educational tools. Students develop proficiency in applying these tools to learning. Surveys research and design principles and introduces game editors for developing simulations and games.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 67411 DESIGNING VISUALS FOR EDUCATION 3 Credit Hours**

(Slashed with ETEC 77411) Investigates research in perception and cognition and its influence on principles and best practices in educational visual design. Focuses on the design of educational visuals and media in print, video, and computer-based technology.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 67420 RESEARCH ISSUES IN EDUCATIONAL TECHNOLOGY 3 Credit Hours**

(Slashed with ETEC 77420) Reviews the foundations of the field of Educational Technology as well as the basic theories that underlie its practice. Teaches masters students to read and make use of research in the field and doctoral students to critique research and develop meaningful research questions in the field.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 67425 MANAGING TECHNOLOGICAL CHANGE 3 Credit Hours**

(Slashed with ETEC 77425) Analyzing organizations and situations to determine the needs for and obstacles to technological change. Development of strategies for technological change. Identifying goals for change projects and basic project management techniques for implementing them.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 67426 MANAGING SCHOOL TECHNOLOGIES 3 Credit Hours**

(Slashed with ETEC 77426) Specifically for students interested in working in school settings managing computer labs and school servers and networks. Covers managing aspects of computer hardware, software and updates, and networks.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 67432 DESIGNING MULTIMEDIA FOR EDUCATION 3 Credit Hours**

(Slashed with ETEC 77432) Application of evidence-based instructional methods to the design, development, and evaluation of multimedia learning materials. Research-based guidelines for multimedia learning that influence learning outcomes. Uses various tools to design and develop multimedia projects.

**Prerequisite:** ETEC 57403; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 67434 EMERGING TECHNOLOGIES FOR EDUCATION 3 Credit Hours**

(Slashed with ETEC 77434) Focuses on the theoretical foundations, design, and development of educational delivery systems employing leading-edge and emergent technologies. Includes presentations and activities that employ the technologies.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 67435 VIRTUAL AND AUGMENTED REALITY 3 Credit Hours**

(Slashed with ETEC 77435) Virtual augmented reality can help provide engaging educational experiences. This course enables students to understand best practices and core guidelines in these technologies. Design principles and software for developing environments are included.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 67442 DESIGNING ONLINE AND BLENDED COURSES 3 Credit Hours**

(Slashed with ETEC 77442) Online and blended courses present new challenges in designing instructional experiences for students. Students will analyze course goals and contexts, design and develop effective online educational materials, interactions and discourses, and plan the evaluation of online courses.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 67444 TEACHING ONLINE AND BLENDED COURSES 3 Credit Hours**

(Slashed with ETEC 77444) Course explores using pedagogical approaches appropriate to online learning, including facilitating synchronous and asynchronous discussions, facilitating embedded assessment, enhancing online interactivity, collaboration and community and incorporating self-directed learning. Students discuss, analyze and use these strategies in online teaching and learning.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 67445 DESIGNING INSTRUCTIONAL AND PERFORMANCE SOLUTIONS 3 Credit Hours**

(Slashed with ETEC 77445) Develop knowledge of the systematic approach to instructional design, the contexts of application of this approach, and the roles of professionals in this field in adapting and applying the process in a flexible and innovative manner, especially to large-scale projects.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 67449 RESEARCH IN ONLINE AND BLENDED LEARNING 3 Credit Hours**

(Slashed with ETEC 77449) Course reviews current research issues in online teaching and learning and explores potential new areas of research. Students engage in guided inquiry to identify, understand, apply, and critique current research. Students participate in a constructive online learning environment.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 67491 SEMINAR: EDUCATIONAL TECHNOLOGY 1-4 Credit Hours**

(Repeatable for credit) (Slashed with ETEC 77491) Variable topic seminar for advanced study of specialized areas and topics. Normally designed around research and theory applied to practice.

**Prerequisite:** Graduate standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-4 other

**Grade Mode:** Standard Letter

**ETEC 67492 PRACTICUM AND PORTFOLIO 3 Credit Hours**

Apply knowledge and skills related to the design, development, implementation, management, and evaluation of educational technologies through practical field experience in a school setting or an environment where educational technology services and programs are being used. Create a standards-based online portfolio to demonstrate professional competence and growth.

**Prerequisite:** Graduate standing.

**Schedule Type:** Practical Experience

**Contact Hours:** 10 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ETEC 67495 SPECIAL TOPICS IN EDUCATIONAL TECHNOLOGY 1-4 Credit Hours**

(Repeatable for credit) Specialized offering in response to emerging or selected program needs in educational technology.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-4 lecture

**Grade Mode:** Standard Letter

**ETEC 67496 INDIVIDUAL INVESTIGATION IN EDUCATIONAL TECHNOLOGY 1-3 Credit Hours**

(Repeatable for credit) (Slashed with ETEC 77496) Directed independent reading and/or research of special interest or need in student's program. Planned with and directed by a graduate faculty member.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ETEC 67498 INDEPENDENT RESEARCH IN EDUCATIONAL TECHNOLOGY 1-5 Credit Hours**

(Repeatable for credit) (Slashed with ETEC 77498) Students pursue an individualized research project on a specialized topic with approval and under direction of instructor.

**Prerequisite:** Graduate standing.

**Schedule Type:** Research

**Contact Hours:** 3-15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ETEC 77402 MANAGING SCHOOL TECHNOLOGY CENTERS AND PROGRAMS 3 Credit Hours**

(Slashed with ETEC 67402) Provides skills in planning, organizing, administering and evaluating school-based technology and media centers.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 77410 SIMULATIONS AND GAMES IN EDUCATION 3 Credit Hours**

Introduction to digital simulations and games as educational tools. Students develop proficiency in applying these tools to learning. Surveys research and design principles and introduces game editors for developing simulations and games.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 77411 DESIGNING VISUALS FOR EDUCATION 3 Credit Hours**

(Slashed with ETEC 67411) Investigates research in perception and cognition and its influence on principles and best practices in educational visual design. Focuses on the design of educational visuals and media in print, video, and computer-based technology.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 77420 RESEARCH ISSUES IN EDUCATIONAL TECHNOLOGY 3 Credit Hours**

Reviews the foundations of the field of Educational Technology as well as the basic theories that underlie its practice. Teaches masters students to read and make use of research in the field and doctoral students to critique research and develop meaningful research questions in the field.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 77425 MANAGING TECHNOLOGICAL CHANGE 3 Credit Hours**

(Slashed with ETEC 67425) Analyzing organizations and situations to determine the needs for and obstacles to technological change.

Development of strategies for technological change. Identifying goals for change projects and basic project management techniques for implementing them.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 77426 MANAGING SCHOOL TECHNOLOGIES 3 Credit Hours**

(Slashed with ETEC 67426) Specifically for students interested in working in school settings managing computer labs and school servers and networks. Covers managing aspects of computer hardware, software and updates, and networks.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 77432 DESIGNING MULTIMEDIA FOR EDUCATION 3 Credit Hours**

(Slashed with ETEC 67432) Application of evidence-based instructional methods to the design, development, and evaluation of multimedia learning materials. Research-based guidelines for multimedia learning that influence learning outcomes. Uses various tools to design and develop multimedia projects.

**Prerequisite:** ETEC 57403; and doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 77434 EMERGING TECHNOLOGIES FOR EDUCATION 3 Credit Hours**

(Slashed with ETEC 67434) Focuses on the theoretical foundations, design, and development of educational delivery systems employing leading-edge and emergent technologies. Includes presentations and activities that employ the technologies.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 77435 VIRTUAL AND AUGMENTED REALITY 3 Credit Hours**

(Slashed with ETEC 67435) Virtual augmented reality can help provide engaging educational experiences. This course enables students to understand best practices and core guidelines in these technologies. Design principles and software for developing environments are included.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter



**ETEC 77442 DESIGNING ONLINE AND BLENDED COURSES 3 Credit Hours**

(Slashed with ETEC 67442) Online and blended courses present new challenges in designing instructional experiences for students. Students will analyze course goals and contexts, design and develop effective online educational materials, interactions and discourses, and plan the evaluation of online courses.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 77444 TEACHING ONLINE AND BLENDED COURSES 3 Credit Hours**

(Slashed with ETEC 67444) Course explores using pedagogical approaches appropriate to online learning, including facilitating synchronous and asynchronous discussions, facilitating embedded assessment, enhancing online interactivity, collaboration and community and incorporating self-directed learning. Students discuss, analyze and use these strategies in online teaching and learning.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 77445 DESIGNING INSTRUCTIONAL AND PERFORMANCE SOLUTIONS 3 Credit Hours**

(Slashed with ETEC 67445) Develop knowledge of the systematic approach to instructional design, the contexts of application of this approach, and the roles of professionals in this field in adapting and applying the process in a flexible and innovative manner, especially to large-scale projects.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 77449 RESEARCH IN ONLINE AND BLENDED LEARNING 3 Credit Hours**

(Slashed with ETEC 67449) Course reviews current research issues in online teaching and learning and explores potential new areas of research. Students engage in guided inquiry to identify, understand, apply, and critique current research. Students participate in a constructive online learning environment.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ETEC 77491 SEMINAR: EDUCATIONAL TECHNOLOGY 1-4 Credit Hours**

(Repeatable for credit) (Slashed with ETEC 67491) Variable topic seminar for advanced study of specialized areas and topics. Normally designed around research and theory applied to practice.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-4 other

**Grade Mode:** Standard Letter

**ETEC 77492 ADVANCED PRACTICUM AND INTERNSHIP IN EDUCATIONAL TECHNOLOGY 1-10 Credit Hours**

Supervised program requiring application of theory to practice in the use of instructional technology directed by a graduate faculty member and a practitioner in the field. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which internship will take place.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Practical Experience

**Contact Hours:** 3-33 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ETEC 77495 SPECIAL TOPICS IN EDUCATIONAL TECHNOLOGY 1-4 Credit Hours**

(Slashed with ETEC 67495) Specialized offering in response to emerging or selected program needs in educational technology.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-4 lecture

**Grade Mode:** Standard Letter

**ETEC 77496 INDIVIDUAL INVESTIGATION IN EDUCATIONAL TECHNOLOGY 1-3 Credit Hours**

(Repeatable for credit) (Slashed with ETEC 67496) Directed independent reading and/or research of special interest or need in student's program. Planned with and directed by a graduate faculty member.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ETEC 77498 INDEPENDENT RESEARCH IN EDUCATIONAL TECHNOLOGY 1-5 Credit Hours**

(Repeatable for credit) (Slashed with ETEC 67498) Students pursue an individualized research project on a specialized topic with approval and under direction of instructor.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Research

**Contact Hours:** 3-15 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ETEC 87450 LEARNING WITH EDUCATIONAL TECHNOLOGIES 3 Credit Hours**

Provides an overall introduction to research and practice in educational technology at the doctoral level. Includes examination of principles and examples of the effective application of technology to educational settings as well as approaches to research in the field.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## Middle Childhood Education (MCED)

### MCED 20000 LEARNING AND EXPERIENCE IN MIDDLE CHILDHOOD EDUCATION 3 Credit Hours

This course introduces Middle Childhood Education (MCED) teacher candidates to the cultural, community, social, emotional, cognitive, physical and moral development of early adolescents. It offers MCED candidates the opportunity to immerse themselves in a grades 4-9 clinical experience while exploring the experiences of early adolescence.

**Prerequisite:** CULT 29535.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

### MCED 30001 TEACHING MATHEMATICS IN MIDDLE CHILDHOOD I 3 Credit Hours

Examine issues and trends in mathematics and mathematics education. Theories of the teaching and learning of mathematics will be addressed within the context of problem solving, communications, reasoning and connections with other disciplines.

**Prerequisite:** EPSY 29525; and MATH 14001 and MATH 14002; and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

### MCED 30002 INTEGRATED SOCIAL STUDIES AND SCIENCE IN MIDDLE CHILDHOOD 3 Credit Hours

Introductory methods course integrating social studies and science. Emphasis on principles of teaching and learning as applied to teaching to social issues and problems appropriate for middle childhood students.

**Prerequisite:** Admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

### MCED 31000 TEACHING AND LEARNING IN MIDDLE CHILDHOOD 3 Credit Hours

This course emphasizes theories of learning and teaching and their application to teaching in middle childhood classrooms with a diversity of learners. Major class topics include lesson planning, teaching strategies, assessment, classroom management, and effective classroom instructions. In a concurrent clinical field experience, teacher candidates will apply teaching methods in intermediate-middle school classrooms. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school before the first day of the semester in which student teaching internship will take place.

**Prerequisite:** Admission to advanced study; and middle childhood education major.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

### MCED 40001 TEACHING MATHEMATICS IN MIDDLE CHILDHOOD II 3 Credit Hours

To develop knowledge of the theories, materials and methods used to teach mathematics in the contemporary classroom for grades 4-9 and develop skill in their use.

**Prerequisite:** MCED 30001; and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

### MCED 40002 TEACHING SCIENCE IN THE MIDDLE CHILDHOOD II 3 Credit Hours

This course is designed to provide pre-service teachers with meaningful and practical learning experiences that will prepare them to create effective science learning environments for grade 4-9 students. This course includes 40 field clinical hours. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which clinical hours will take place.

**Prerequisite:** MCED 30002; and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

### MCED 40003 TEACHING SOCIAL STUDIES IN MIDDLE CHILDHOOD II 3 Credit Hours

Advanced methods course. Examines the purpose of citizenship education and understanding the role of history and the social sciences. Applying the principles of powerful teaching. Includes a major field experience at the student teaching site. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of the semester in which student teaching/ internship will take place.

**Prerequisite:** MCED 30002; and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

### MCED 40005 EFFECTIVE USE OF PHONICS IN READING 3 Credit Hours

The influence of theoretical perspectives on word identification instruction, an examination of the role of phonics in reading and writing strategies for effective phonics instruction and assessment.

**Prerequisite:** Admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

### MCED 40006 READING AND WRITING IN MIDDLE CHILDHOOD (WIC) 6 Credit Hours

Understanding of literacy learning in the middle childhood (classrooms grades 4-9) with emphasis on the development of reading and writing processes, strategies for text learning, literacy in electronic environments, authentic assessment and teaching children who struggle as readers.

**Prerequisite:** Admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 6 lecture

**Grade Mode:** Standard Letter

**Attributes:** Writing Intensive Course

### MCED 40007 TEACHING READING WITH LITERATURE IN MIDDLE CHILDHOOD 3 Credit Hours

The study of the teaching of reading with literature with middle childhood students within an integrated language arts approach in a comprehensive literature program.

**Prerequisite:** MCED 40006; and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**MCED 40045 TEACHING MATHEMATICS IN THE INTERMEDIATE YEARS, GRADES 4-5 3 Credit Hours**

To develop knowledge of the theories, materials and methods used to teach mathematics in the contemporary classroom for grades 4-5 and develop skill in their use.

**Prerequisite:** ECED 40147 with a minimum grade of C.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**MCED 41000 CURRICULUM AND ORGANIZATION IN MIDDLE CHILDHOOD 3 Credit Hours**

This course is designed to enhance knowledge, skills, and dispositions about curriculum history and organization of middle level schools (grades 4-9) that is developmentally responsive to early adolescents, and promotes student achievement and equity. Additionally, this course is also designed to extend knowledge, skills, techniques, and professional dispositions as related to middle school students' experiences, and differentiate curriculum and assessment for diverse learners. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school before the first day of the semester in which student teaching internship will take place.

**Prerequisite:** Admission to advanced study; and MCED 31000; and middle childhood education major.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter-IP

**MCED 41192 MIDDLE CHILDHOOD EDUCATION GENERALIST PRACTICAL EXPERIENCE (ELR) 1 Credit Hour**

(Repeatable for credit) Supervised work experiences that are integrated with academic instruction and related to student's occupational goal within Middle Childhood Education Science or Social Studies.

**Prerequisite:** Special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3.33 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**Attributes:** Experiential Learning Requirement

**MCED 42392 STUDENT TEACHING IN MIDDLE CHILDHOOD (ELR) 9 Credit Hours**

(Slashed with MCED 52392) Full-time student teaching for sixteen weeks in two selected concentrations (mathematics, science, language arts, social studies) and reading in grades 4-5 or grades 6-7-8. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching internship will take place.

**Prerequisite:** Admission to advanced study; and Official valid certification of Child Safety Training, approved Basic Life Support and ALICE Training must be presented to the campus office of clinical experience or designated faculty/staff at Regional campuses as prerequisite for student teaching; and MCED 41000 and MCED 40007.

**Corequisite:** MCED 49525.

**Schedule Type:** Practical Experience

**Contact Hours:** 27 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**Attributes:** Experiential Learning Requirement

**MCED 46645 CRITICAL INQUIRY AND INTEGRATION: SCIENCE AND SOCIAL STUDIES, GRADE 4 3 Credit Hours**

Introduces students to fourth grade content using an interdisciplinary, inquiry approach to teaching and learning in science and social studies.

**Prerequisite:** Special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**MCED 47745 CRITICAL INQUIRY AND INTEGRATION: SCIENCE AND SOCIAL STUDIES, GRADE 5 3 Credit Hours**

Engages students in the use and development of pedagogical content knowledge for teaching grade 5 using an interdisciplinary, inquiry approach to teaching and learning in science and social studies.

**Prerequisite:** Special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**MCED 49525 INQUIRY INTO PROFESSIONAL PRACTICE:MIDDLE CHILDHOOD 3 Credit Hours**

A seminar linked to student teaching with an emphasis on action research as professional development; completion of professional portfolios; professional ethics; and legal, medical and ethical issues in teaching.

**Prerequisite:** MCED 41000 and MCED 40007.

**Corequisite:** MCED 42392.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**MCED 50002 TEACHING SCIENCE IN MIDDLE CHILDHOOD II 3 Credit Hours**

(Slashed with MCED 40002) This course is designed to provide pre-service teachers with meaningful and practical learning experiences that will prepare them to create effective science learning environments for grade 4-9 students. This course includes 40 field clinical hours. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which clinical hours will take place.

**Prerequisite:** MCED 30002; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**MCED 50003 TEACHING SOCIAL STUDIES IN MIDDLE CHILDHOOD II 3 Credit Hours**

Advanced methods course. Examines the purpose of citizenship education and understanding the role of history and the social sciences. Applying the principles of powerful teaching. Includes a major field experience at the student teaching site. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching/internship will take place.

**Prerequisite:** MCED 30002; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**MCED 50005 EFFECTIVE USE OF PHONICS IN READING 3 Credit Hours**

The influence of theoretical perspectives on word identification instruction, an examination of the role of phonics in reading and writing, strategies for effective phonics instruction and assessment.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**MCED 50006 READING AND WRITING IN MIDDLE CHILDHOOD 6 Credit Hours**

Understanding of literacy learning in the middle childhood (classrooms grades 4-9) with emphasis on the development of reading and writing processes, strategies for text learning, literacy in electronic environments, authentic assessment and teaching children who struggle as readers.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 6 lecture

**Grade Mode:** Standard Letter

**MCED 50007 TEACHING READING WITH LITERATURE IN MIDDLE CHILDHOOD 3 Credit Hours**

The study of the teaching of reading with literature with middle childhood students within an integrated language arts approach in a comprehensive literature program.

**Prerequisite:** MCED 50006; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**MCED 50045 TEACHING MATHEMATICS IN THE INTERMEDIATE YEARS, GRADES 4-5 3 Credit Hours**

To develop knowledge of the theories, materials and methods used to teach mathematics in the contemporary classroom for grades 4-5 and develop skill in their use.

**Prerequisite:** ECED 40147 with a minimum C grade; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**MCED 52392 STUDENT TEACHING IN MIDDLE CHILDHOOD 9 Credit Hours**

Full-time student teaching for sixteen weeks on an interdisciplinary team in two selected concentrations (mathematics, language arts, social studies, science) and reading in grades 4-9. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school-agency before the first day of the semester in which student teaching internship will take place.

**Prerequisite:** Official valid certification of child safety training, approved basic life support and ALICE training must be presented to the campus office of clinical experience or designated faculty-staff at Regional campuses as prerequisite for student teaching; and graduate standing.

**Corequisite:** MCED 59525.

**Schedule Type:** Practical Experience

**Contact Hours:** 27 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**MCED 56645 CRITICAL INQUIRY AND INTEGRATION: SCIENCE AND SOCIAL STUDIES, GRADE 4 3 Credit Hours**

Introduces students to fourth grade content using an interdisciplinary, inquiry approach to teaching and learning in science and social studies.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**MCED 57745 CRITICAL INQUIRY AND INTEGRATION: SCIENCE AND SOCIAL STUDIES, GRADE 5 3 Credit Hours**

Engages students in the use and development of pedagogical content knowledge for teaching grade 5 using an interdisciplinary, inquiry approach to teaching and learning in science and social studies.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**MCED 59525 INQUIRY INTO PROFESSIONAL PRACTICE MIDDLE CHILDHOOD 3 Credit Hours**

A seminar linked to student teaching with an emphasis on action research as professional development, completion of professional portfolios, professional ethics and legal, medical and ethical issues in teaching.

**Prerequisite:** CI 67107 and MCED 50007 with a minimum C grade; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**MCED 60115 SCIENCE TECHNOLOGY ENGINEERING AND MATH FOUNDATIONS FOR EARLY AND MIDDLE CHILDHOOD EDUCATION 3 Credit Hours**

(Cross-listed with ECED 60115) This course introduces early and middle childhood educators to STEM (Science, Technology, Engineering, Mathematics) for students in K-6 classrooms. This includes a foundation and overview of the what, how, and why STEM is included in K-6 classrooms. As a foundation course, students will gain exposure to integrating the STEM disciplines, assessment of mathematics and science in STEM, and aspects of developmentally appropriate STEM for early and middle childhood settings.

**Prerequisite:** ECED 50404 and ECED 50304 and ECED 50303; and graduate standing.

**Pre/corequisite:** ECED 50203.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## Physical Activity, Wellness and Sport (PWS)

**PWS 10020 DEVELOPMENT AND CONDITIONING 1 Credit Hour**

Introduction to the principles of physical training. Practical application of these principles through a variety of activities.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter



**PWS 10035 LIFETIME FITNESS 2 Credit Hours**

The role of exercise in enhancing physical fitness. Lectures on principles of planning scientifically sound exercise programs. Laboratory experiences in personal fitness evaluation and exercise routines.

**Prerequisite:** None.

**Schedule Type:** Laboratory, Lecture, Combined Lecture and Lab

**Contact Hours:** 1 lecture, 2 lab

**Grade Mode:** Standard Letter

**PWS 10036 FITNESS WALKING 1 Credit Hour**

Introduction to Fitness Walking as a lifetime physical activity through personal cardiovascular fitness.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10095 SELECTED TOPICS: PHYSICAL EDUCATION ACTIVITIES 1-2 Credit Hours**

(Repeatable for credit) Selected and varied topics of relevance in physical education basic instruction.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2-4 lab

**Grade Mode:** Standard Letter

**PWS 10101 SCUBA DIVING 1 Credit Hour**

Designed to make students a comfortable and qualified diver, capable of conducting recreational dives to shallow depths and deep water diving. Could lead to certification as a PADI open water diver.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10125 BASKETBALL 1 Credit Hour**

The course is designed to give students a basic understanding of how to play the game of basketball through active participation. Students are expected to learn and be able to demonstrate the skills and strategies of the game through various practice and competitive activities. Material is presented through class instruction and handouts.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10204 BADMINTON 1 Credit Hour**

Instruction in the skills and techniques of the game of Badminton

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10304 BOWLING 1 Credit Hour**

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10305 BILLIARDS 1 Credit Hour**

Skills, technique, strategy, game knowledge as introduction to billiards (pool), a 'cue' sport; rules and gaming for variations of pocket billiards; practice and class tournament play.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10306 JOGGING 1 Credit Hour**

This course is designed to enhance cardiovascular fitness through jogging and or running. The course will focus on a mixture of training techniques including light jogging and interval type workouts. This course will also include supplemental exercises such as core strengthening and stretching. Students will perform basic calculations to determine target heart rate zones. Students will establish fitness goals and select appropriate activities to attain these goals. Pre and Post assessments will allow students to monitor progress towards their fitness goals.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10325 SOCCER 1 Credit Hour**

(Repeatable for credit)

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10403 BEGINNING BALLROOM DANCE 1 Credit Hour**

This course is designed for the beginning social dance to learn how to partner dance in a recreational setting. Dances include: Foxtrot, Rhumba, Meringue, Swing, Cha Cha.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10413 LATIN SOCIAL DANCE 1 Credit Hour**

Presentation of the DVIDA bronze syllabus for Latin dances. Introduction of Latin rhythm dances, which will include the Merengue, Salsa, Rumba, Cha Cha and Samba. Includes proper technique, rhythm of the dance and approximately 10-15 figures for each dance.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10504 SAND VOLLEYBALL 1 Credit Hour**

Basic instruction in Volleyball skills and Sand Volleyball game strategies.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10505 VOLLEYBALL 1 Credit Hour**

Introduction to the sport of Volleyball through instruction in individual and team skills, team building and game play.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter



**PWS 10604 BEGINNING GOLF 1 Credit Hour**

The student will have the opportunity to develop basic golf skills through lectures, demonstration, drills and game play. The student will also gain knowledge of golf etiquette and other areas as related to the game of golf.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10704 INTERMEDIATE GOLF 1 Credit Hour**

Learn mechanics and techniques of the full golf swing, pitching, chipping, bunker play and putting. Learn to play better by playing rounds of golf. Learn the basic rules of golf and proper golf etiquette.

**Prerequisite:** PWS 10604.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10904 TENNIS 1 Credit Hour**

You will be exposed to and utilize basic tennis skills, terms, and principles, with an emphasis on skill development and integration of playing tactics and strategies during match play.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 10906 RACQUETBALL 1 Credit Hour**

Instruction in the skills, techniques and strategies of the game of Racquetball.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11126 FLAG FOOTBALL I 1 Credit Hour**

This course is designed to give the students an opportunity to review and practice the basic fundamental skills relative to the game of flag football. Students are expected to be able to demonstrate the skills and strategies of the game through various practice and competitive activities.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11325 ADVANCED ICE HOCKEY 1 Credit Hour**

To build on the basic hockey fundamentals, leading to advanced team play and game situations providing deeper insight into the game of hockey.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11327 KETTLEBELLS 1 Credit Hour**

A vigorous introductory physical conditioning course primarily utilizing kettlebells. Exercises designed to enhance strength, power, endurance, and agility will be emphasized. Introductory approach to kettlebell techniques and kettlebell program development.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11425 VARSITY SPORTS 1 Credit Hour**

(Repeatable for credit) Designed to focus on advanced varsity sport skill development, to promote techniques and strategies to perform at a high level of competition, and to foster ethical values, sportsmanship and responsible citizenship through practices and game competitions. Designed for the student athlete who meets NCAA eligibility requirements.

**Prerequisite:** Special approval.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Satisfactory/Unsatisfactory

**PWS 11426 VARSITY SPORT TRAINING AND CONDITIONING 1 Credit Hour**

(Repeatable for credit) Designed for sport specific training both in and out of season to produce highly skilled student-athletes through structured programs for immediate performance enhancement and injury prevention and to endure practice and competition. Designed for the student athlete who meets NCAA eligibility requirements.

**Prerequisite:** Special approval.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Satisfactory/Unsatisfactory

**PWS 11435 SPORTS CONDITIONING 1 Credit Hour**

This course will cover methods and techniques that are used to safely and effectively enhance an individual's athletic performance by increasing speed, strength, endurance, agility and flexibility. This course will cover a variety of training principles, training methods, basic components of fitness and the physiological factors and benefits of exercise to promote a healthy lifestyle. This course is part theory and part practical application.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11604 BEGINNING KARATE 1 Credit Hour**

A karate course designed for students with little or no martial arts or karate experience. This course will involve the training in the philosophy, principles, and techniques of Karate for self-defense, improvement of overall fitness and to give a greater understanding of the art and themselves.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11605 INTERMEDIATE KARATE 1 Credit Hour**

Continuation of the perfection of basic karate techniques with the main emphasis on kumite (fighting).

**Prerequisite:** PWS 11604.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11633 JU JITSU 1 Credit Hour**

Presentation of Ju-Jitsu and Judo techniques for use in self-defense. Includes falling, throwing, grappling, bars, locks, strikes, kicks and defends against various weapons.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11634 SELF-DEFENSE 1 Credit Hour**

A self-defense course designed for students with little or no martial arts or self-defense background. Physical, verbal, and mental defensive techniques, tactics, and strategies are taught to prepare students for any potentially dangerous situation they may encounter. The course will also improve the student's physical and mental fitness.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11663 BEGINNING YOGA 1 Credit Hour**

Overview course in yoga, an integrated study of health. Involves the investigation and practice of breathing techniques (pranayama), hatha yoga postures (asana), meditation and relaxation. Also unifies the mind, body and spirit.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11664 PILATES 1 Credit Hour**

Pilates is a form of fitness endeavors which unite the rhythmic performances and strength with the conditioning principles of the movement sciences.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11665 ZUMBA 1 Credit Hour**

Zumba® is a fitness program that fuses hypnotic Latin rhythms and easy-to-follow moves and mixes body sculpting movements with dance steps.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11666 BEGINNING SPINNING 1 Credit Hour**

The Spinning program is based on two major components: health and fitness. Each of these parts is also related to the concept of mind (the health component) and body (the fitness component), and the overall program design is intended as more than a fitness regimen. It encourages Spinning participants to shift and broaden their perspectives by exposing them to new ideas and a variety of training styles and Energy Zones.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11667 BOOT CAMP I 1 Credit Hour**

This course is designed to acquaint students with an exercise program using calisthenics, resistance training, running, and agility drills. The course will focus on increasing physical fitness, including cardiovascular efficiency, muscular strength, and flexibility. Students will also learn the fundamental principles of physical fitness and their effect on lifelong health and fitness.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11673 INTERMEDIATE YOGA 1 Credit Hour**

Expansion of Yoga skills, building on knowledge base from Beginning Yoga. Students will explore movement components of anatomy, as related to yoga asanas and understand relationship of asanas to anatomy, creating movement and space.

**Prerequisite:** PWS 11663.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11674 INTERMEDIATE PILATES 1 Credit Hour**

Intermediate Pilates reviews the fundamentals of the beginner class while moving on to the more challenging exercises and repertoire. Students will review and practice correct technique and form for strength, breathing, fluidity, and endurance for mat Pilates. This class is designed for experienced Pilates students.

**Prerequisite:** PWS 11664.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11675 ZUMBA TONING 1 Credit Hour**

Zumba® is a fitness program that fuses hypnotic Latin and International rhythms with easy-to-follow moves and body sculpting movements to create a dynamic workout. The Zumba Toning® program uses hand held weights to enhance rhythm and tone the muscles, specifically arms, thighs, and abdomen. Zumba Toning is an ideal way to sculpt the body.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11684 BALL PILATES 1 Credit Hour**

Ball Pilates, "Pilates on an Exercise Ball" is very similar to other Pilates classes in that it incorporates many mat and equipment-based exercises. Adding the ball increases your mind-body awareness, core strength, balance and flexibility as you perform the work on an unstable base of support.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 11904 BEGINNING ICE SKATING 1 Credit Hour**

This course will give the beginner an introduction to the basic skills of ice skating with a focus on safe technique and the development of the basic skills of ice skating. Students will learn the fundamentals of balance, movement and safety on the ice.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 12004 BASIC FIGURE SKATING 1 Credit Hour**

This course will give the intermediate skater an introduction to the disciplines of figure skating and basic figure skating terminology. Students will learn figure skating fundamentals and how to use previously developed skills to achieve proficiency in more difficult skills.

**Prerequisite:** PWS 11904.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 12204 BEGINNING BROOMBALL 1 Credit Hour**

Broomball is a recreational ice game played in an ice rink. Skills, tactics and plays are similar to those used in ice hockey.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 12324 WEIGHT TRAINING 1 Credit Hour**

This course is designed to teach students the correct technique in lifting with machines, free weights and body weight in a safe and effective manner. Students learn scientific methods (macrocycle, mesocycle and microcycle) on how to correctly design a resistance training workout based around desired goals of strength, endurance, hypertrophy, power and speed. Students will be tested on the application of their knowledge by having to design an 8 week training planning with specific training principles used.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 12325 WOMEN'S WEIGHT TRAINING 1 Credit Hour**

A basic course in the use of equipment in an average weight room and its application towards the development of strength and power.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 12424 EXERCISE AND WEIGHT CONTROL 1 Credit Hour**

The course aims to educate the student on differing types of exercise styles currently available to assist in living a healthy lifestyle. The student will also learn ideal dietary requirements required to compliment the variety of exercise components. This course will teach how to combine this information to create a nutritional and training plan to meet current goals for this course. Students will pre-test and post-test physical fitness components in order to successfully assess how a change in a nutrition and exercise can contribute to living a healthy lifestyle.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 12425 NAUTILUS EXERCISES 1 Credit Hour**

This course will cover the proper use and weight training equipment. This course will also cover the instruction of proper weight training techniques for a safe and effective weight training program. Functional training and isolation training will be discussed and practiced, so that the student will benefit from both types of strength training exercises. The course is part theory and part practical application.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 13003 DANCE EXERCISE 1 Credit Hour**

Dance Exercise is a form of fitness, which unites the rhythmic performance, and energy of dance with the conditioning principles of the movement sciences. In addition to the physical exercise, students will also learn about the basic methodology behind an exercise class, a general history of dance exercise, and its relevance in the fitness industry today. Students should leave the course with knowledge of basic exercise and nutrition principles that can be applied in their personal exercise programs.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 13008 INTERMEDIATE VOLLEYBALL 1 Credit Hour**

Introduction of advanced playing systems and strategies in volleyball while emphasizing individual skill performance.

**Prerequisite:** PWS 10505.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 13010 JUDO-JUJITSU 1 Credit Hour**

Presentation of Jujitsu-Judo techniques for use in self-defense. This will include falling skills, throwing, grappling, come-along, as well as strikes and kicks and defenses against various weapons.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 13012 BACKPACKING 2 Credit Hours**

Trip planning and leadership, equipment and clothing selection, safety considerations, search and rescue, environmental ethics, map and compass, weekend backpacking trip. Student must supply equipment.

**Prerequisite:** Special approval.

**Schedule Type:** Lecture

**Contact Hours:** 4 lecture

**Grade Mode:** Standard Letter

**PWS 13016 CYCLING 1 Credit Hour**

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 13022 CAMPING 2 Credit Hours**

Basic camping skills including: toolcraft, ropecraft, fire building, cooking, campsite management, equipment selection, safety considerations, environmental ethics, and map and compass for use on weekend trip. Students must supply own clothing and shelter.

**Prerequisite:** Special approval.

**Schedule Type:** Laboratory

**Contact Hours:** 4 lecture

**Grade Mode:** Standard Letter

**PWS 13028 INTRODUCTION TO KAYAKING 1 Credit Hour**

Basic paddling skills learned in a pool environment and then experienced in open lakes and whitewater situations.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 13030 BEGINNING ROCK CLIMBING 1 Credit Hour**

Basic instruction in safe rope handling, knots, conditioning, climbing technique, belaying, anchor systems and rappelling.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 13036 INDOOR CYCLING 1 Credit Hour**

Covers the knowledge and skills that are needed for understanding and participating in an indoor cycling program. Also covers the components of fitness and the physiological factors and benefits of exercise to promote a healthy lifestyle.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 13040 CARDIO KICKBOXING 1 Credit Hour**

Covers the knowledge and skills that are needed to understand and participate in Cardio Kickboxing. Also covers the components of fitness and the physiological factors and benefits of exercise to promote a healthy lifestyle. This course is part theory and part practical application.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 13041 HARDCORE ABS 1 Credit Hour**

Examines methods and techniques that improve abdominal and back strength, mechanics and the ability to dynamically stabilize. The student masters total body movement that occur through all three planes of motion. The exercises are performed on a stable and unstable surface for greater balance challenge. Equipment is used to increase resistance to intensify the work load. Improves core strength and activities of daily living.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PWS 13093 VARIABLE TITLE WORKSHOP IN EXERCISE, LEISURE AND SPORT 1-2 Credit Hours**

(Repeatable for credit) Workshop in exercise, leisure and sport activities topics vary.

**Prerequisite:** None.

**Schedule Type:** Workshop

**Contact Hours:** 1-3 other

**Grade Mode:** Satisfactory/Unsatisfactory

## Physical Education and Sport Performance (PESP)

**PESP 15010 INTRODUCTION TO PHYSICAL EDUCATION, FITNESS AND SPORT 3 Credit Hours**

Development of a knowledge base on the roles, foundations, contextual and social issues, and career opportunities as they relate to physical education, physical activity and sport. Experimentation with various fitness tests and assessments that lead to the development of personal fitness plans.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PESP 15011 DEVELOPMENT AND ANALYSIS OF INVASION GAMES 3 Credit Hours**

Development, analysis and assessment of game performance skills used in invasion games.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PESP 15015 DEVELOPMENT AND ANALYSIS OF NET GAMES 3 Credit Hours**

Development and analysis of game performance skills in net games. Emphasis on problem solving strategies and skill execution related to game performance and on effective pedagogy.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PESP 15016 DEVELOPMENT AND ANALYSIS OF TARGET AND FIELD GAMES 3 Credit Hours**

Development and analysis of game performance skills used in target games and field-run-score games.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PESP 15018 DEVELOPMENT OF SWIMMING AND AQUATIC SKILLS 1 Credit Hour**

Development and analysis of basic aquatic skills, swimming strokes, starts and turns, diving skills, physical fitness principles, aquatic safety and basic rescue techniques.

**Prerequisite:** None.

**Schedule Type:** Laboratory

**Contact Hours:** 2 lab

**Grade Mode:** Standard Letter

**PESP 15020 FUNDAMENTAL MOVEMENT, GYMNASTICS AND DANCE 3 Credit Hours**

Designed to provide teachers and activity leaders with knowledge, skills, and dispositions necessary to teach developmentally appropriate progressions for fundamental movement skills, dance and gymnastics.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PESP 25025 TEACHING IN PHYSICAL EDUCATION 3 Credit Hours**

This course aims to introduce students to teaching and management strategies linked to student learning, the design of instructional materials and techniques, and strategies for working with diverse learners in various contexts. This course will study, discuss, and apply effective teaching skills. Thirty field hours at each elementary and secondary level requires a BCII and FBI background check report.

**Prerequisite:** PESP 15010.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 2 lecture, 3 other

**Grade Mode:** Standard Letter

**PESP 25026 OVERVIEW OF OUTDOOR PURSUITS AND ADVENTURE EDUCATION 3 Credit Hours**

An overview of outdoor pursuits and adventure education is provided for students preparing to serve students/clients in physically active, outdoor and adventure contexts. Includes a required service learning component, which involves the design and delivery of quality outdoor education programs and/or curricula to children within the local community.

**Prerequisite:** School Health Education majors with Health and Physical Education Licensure concentration and Physical Education and Sport Performance majors.

**Schedule Type:** Laboratory, Lecture, Combined Lecture and Lab

**Contact Hours:** 1 lecture, 4 lab

**Grade Mode:** Standard Letter

**PESP 25033 LIFESPAN MOTOR DEVELOPMENT 3 Credit Hours**

Introduction to motor development across the life span. Special emphasis on description of motor development changes and factors influencing change.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PESP 25056 ASSESSMENT OF LEARNING IN PHYSICAL EDUCATION AND SPORT 3 Credit Hours**

This course is designed to provide students with an understanding of the principles and applications of assessment methods in the fields of physical education and sport. Emphasis is placed on the selection, construction, administration, analysis and interpretation of appropriate assessments in a variety of settings, with particular emphasis on using assessments to evaluate learner progress relative to established standards in PE and sport. Throughout the course appropriate technological applications are used to facilitate data collection, management and analysis.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PESP 35010 PSYCHOLOGICAL DIMENSIONS OF MOTOR BEHAVIOR (WIC) 3 Credit Hours**

Psychological factors in exercise, physical activity and sport emphasizing motor control learning and performance. Laboratory included.

**Prerequisite:** EXSC 35068 or PESP 25056; and junior standing.

**Schedule Type:** Laboratory, Lecture, Combined Lecture and Lab

**Contact Hours:** 2 lecture, 2 lab

**Grade Mode:** Standard Letter

**Attributes:** Writing Intensive Course

**PESP 35020 FITNESS EDUCATION 3 Credit Hours**

This course is designed to prepare teachers, coaches, and physical activity specialists for an interdisciplinary approach to fitness education. Specific emphasis will be placed on enhancing students' content knowledge of fitness and physical activity within a classroom setting as well as applying pedagogical principles of class management, instructional strategies, feedback and assessment in practical settings to enhance students' ability to teach and coach fitness content within a variety of physical education, sport and physical activity contexts.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PESP 35040 COACHING FOOTBALL 2 Credit Hours**

Techniques of coaching football, including film analysis and offensive and defensive skills and systems.

**Prerequisite:** Not open to freshmen.

**Schedule Type:** Laboratory, Lecture, Combined Lecture and Lab

**Contact Hours:** 1 lecture, 2 lab

**Grade Mode:** Standard Letter

**PESP 35041 COACHING SOCCER 2 Credit Hours**

Coaching soccer, including analysis of skills strategy and administrative responsibilities.

**Prerequisite:** Not open to freshmen.

**Schedule Type:** Laboratory, Lecture, Combined Lecture and Lab

**Contact Hours:** 1 lecture, 2 lab

**Grade Mode:** Standard Letter

**PESP 35042 COACHING VOLLEYBALL 2 Credit Hours**

Coaching volleyball, including analysis of skills, offensive and defensive strategy and administrative responsibilities.

**Prerequisite:** Not open to freshmen.

**Schedule Type:** Laboratory, Lecture, Combined Lecture and Lab

**Contact Hours:** 1 lecture, 2 lab

**Grade Mode:** Standard Letter

**PESP 35044 COACHING BASKETBALL 2 Credit Hours**

Philosophy, fundamentals, strategy, administrative responsibilities and conditioning.

**Prerequisite:** Not open to freshmen.

**Schedule Type:** Laboratory, Lecture, Combined Lecture and Lab

**Contact Hours:** 1 lecture, 2 lab

**Grade Mode:** Standard Letter

**PESP 35048 COACHING BASEBALL AND SOFTBALL 2 Credit Hours**

Coaching techniques in softball and baseball, including analysis of basic skills, position play and offensive and defensive strategies.

**Prerequisite:** Not open to freshmen.

**Schedule Type:** Laboratory, Lecture, Combined Lecture and Lab

**Contact Hours:** 1 lecture, 2 lab

**Grade Mode:** Standard Letter

**PESP 35049 COACHING TRACK AND FIELD 2 Credit Hours**

Coaching techniques relative to track and field events. Principles of organization for track and field meets.

**Prerequisite:** Not open to freshmen.

**Schedule Type:** Laboratory, Lecture, Combined Lecture and Lab

**Contact Hours:** 1 lecture, 2 lab

**Grade Mode:** Standard Letter

**PESP 35084 MOTOR SKILL ANALYSIS 3 Credit Hours**

Designed to assist teachers, coaches, and physical activity specialists in the analysis of motor skills. Students study the applications of performance and biomechanical principles to enhance skill and tactical performance in physical activity settings.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PESP 45015 PSYCHOLOGY OF COACHING 3 Credit Hours**

(Slashed with CI 55015) Psychological factors affecting athletic performance, with particular attention to practice factors, personality, motivation and problem athletes.

**Prerequisite:** Junior standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter



**PESP 45020 CONTEMPORARY ATHLETIC COACHING 3 Credit Hours**  
(Slashed with CI 55020) A focus on the philosophy, skills strategies and tactics of coaching within contemporary society.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PESP 45037 ADAPTED PHYSICAL EDUCATION 3 Credit Hours**

This course aims to promote an academic and practical approach to teaching physical education for students with disabilities. A minimum of 30 field hours is required for this course.

**Prerequisite:** Junior standing.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 2 lecture, 3 other

**Grade Mode:** Standard Letter

**PESP 45051 ELEMENTARY SCHOOL PHYSICAL EDUCATION METHODS 3 Credit Hours**

(Slashed with CI 55051) Approaches to teaching in elementary school physical education. Focus on establishing an environment for learning, planning standards-based lessons, instructional effectiveness, and assessment of student learning. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of field experience (30 hours).

**Prerequisite:** PESP 15010 and PESP 15011 and PESP 15015 and PESP 15016 and PESP 15020 and PESP 25025 and PESP 25033; and admission to advanced study.

**Corequisite:** PESP 45053.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 2 lecture, 3 other

**Grade Mode:** Standard Letter

**PESP 45053 ELEMENTARY SCHOOL PHYSICAL EDUCATION CONTENT 3 Credit Hours**

(Slashed with CI 55053) Physical education content for the elementary school child with emphasis on developmentally appropriate learning in three domains. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of field experience (30 hours)

**Prerequisite:** PESP 15010 and PESP 15011 and PESP 15015 and PESP 15016 and PESP 15020 and PESP 25025 and PESP 25033; and admission to advanced study.

**Corequisite:** PESP 45051.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 2 lecture, 3 other

**Grade Mode:** Standard Letter

**PESP 45058 SECONDARY SCHOOL PHYSICAL EDUCATION METHODS 3 Credit Hours**

(Slashed with CI 55058) Approaches to teaching in secondary school physical education. Focus on management of the learning environment, planning for learning outcomes in three domains, instructional effectiveness, and sequential curriculum development. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of field experience (30 hours).

**Prerequisite:** PESP 15010 and PESP 15011 and PESP 15015 and PESP 15016 and PESP 15020 and PESP 25025 and PESP 25033; and admission to advanced study.

**Corequisite:** PESP 45059.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 2 lecture, 3 other

**Grade Mode:** Standard Letter

**PESP 45059 SECONDARY SCHOOL PHYSICAL EDUCATION CONTENT 3 Credit Hours**

(Slashed with CI 55059) Introduction and development of content, standards-based curriculum models, management, and organizational skills related to sports and activities utilized in secondary school physical education. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of field experience (30 hours).

**Prerequisite:** PESP 15010 and PESP 15011 and PESP 15015 and PESP 15016 and PESP 15020 and PESP 25025 and PESP 25033; and admission to advanced study.

**Corequisite:** PESP 45058.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 2 lecture, 3 other

**Grade Mode:** Standard Letter

**PESP 45092 INTERNSHIP IN PHYSICAL EDUCATION (ELR) 2-4 Credit Hours**

(Repeatable for a maximum of 8 credit hours) Supervised full-time experience providing knowledge of overall operations for an agency or sports program in an approved setting. Forty-five (45) work hours per credit hour.

**Prerequisite:** Senior standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 6-12 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**Attributes:** Experiential Learning Requirement

**PESP 45096 INDIVIDUAL INVESTIGATION IN PHYSICAL EDUCATION 1-3 Credit Hours**

(Repeatable for a maximum of 6 credit hours) Independent study completed under the supervision of a faculty member. Written approval of supervising faculty member and school director required prior to registration.

**Prerequisite:** Junior standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-6 other

**Grade Mode:** Standard Letter-IP

**PESP 45692 INTERNSHIP IN ATHLETIC COACHING (ELR) 2-4 Credit Hours**

(Repeatable for a maximum of 4 credit hours) Supervised experience in organized sport focused upon the duties of a coach; can involve one or more level (youth, school, college, professional) and sport. 45 contact hours per credit.

**Prerequisite:** PESP 45020; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 6-12 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**Attributes:** Experiential Learning Requirement

**PESP 49525 INQUIRY INTO PROFESSIONAL PRACTICE IN PHYSICAL EDUCATION 3 Credit Hours**

(Slashed with PESP 59525) Seminar focused on development of those skills and knowledge which enable future teachers to engage in effective reflective, collaborative and ethical professional practice.

**Prerequisite:** School Health Education or Physical Education and Sport Performance majors; and admission to advanced study.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**PESP 49592 STUDENT TEACHING IN PHYSICAL EDUCATION (ELR) 12 Credit Hours**

This experience provides for a full semester of student teaching in a school setting that is taken with PESP 49525 Inquiry into Professional Practice in Physical Education. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of the semester in which student teaching/ internship will take place; Official valid certification of Child Safety Training, approved Basic Life Support and A.L.I.C.E. Training must be presented to the campus office of clinical experience or designated faculty/staff at Regional campuses as prerequisite for student teaching.

**Prerequisite:** School Health Education or Physical Education and Sport Performance majors; and admission to advanced study.

**Schedule Type:** Practical Experience

**Contact Hours:** 45 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**Attributes:** Experiential Learning Requirement

**PESP 55051 ELEMENTARY SCHOOL PHYSICAL EDUCATION METHODS 3 Credit Hours**

(Slashed with PESP 45051) Approaches to teaching in elementary school physical education. Focus on establishing an environment for learning, planning standards-based lessons, instructional effectiveness, and assessment of student learning. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of field experience (30 hours).

**Prerequisite:** Physical Education concentration in the Secondary Education major; and graduate standing; and special approval.

**Corequisite:** PESP 55053.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 2 lecture, 3 other

**Grade Mode:** Standard Letter

**PESP 55053 ELEMENTARY SCHOOL PHYSICAL EDUCATION CONTENT 3 Credit Hours**

(Slashed with PESP 45053) Physical education content for the elementary school child with emphasis on developmentally appropriate learning in three domains. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of field experience (30 hours).

**Prerequisite:** Graduate standing; and special approval.

**Corequisite:** PESP 55051.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 2 lecture, 3 other

**Grade Mode:** Standard Letter

**PESP 55058 SECONDARY SCHOOL PHYSICAL EDUCATION METHODS 3 Credit Hours**

(Slashed with PESP 45058) Approaches to teaching in secondary physical education. Focus on management of the learning environment, planning for learning outcomes in three domains, instructional effectiveness, and sequential curriculum development. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of field experience (30 hours).

**Prerequisite:** Graduate standing; and special approval.

**Corequisite:** PESP 55059.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 2 lecture, 3 other

**Grade Mode:** Standard Letter

**PESP 55059 SECONDARY SCHOOL PHYSICAL EDUCATION CONTENT 3 Credit Hours**

(Slashed with PESP 45059) Introduction and development of content, standards-based curriculum models, management and organizational skills related to sports and activities utilized in secondary school physical education. Students are required to complete Bureau of Criminal Investigation and Identification (BCII) and Federal Bureau of Investigation (FBI) background checks and submit the results to authorized personnel at their assigned school/agency before the first day of field experience (30 hours).

**Prerequisite:** Graduate standing; and special approval.

**Corequisite:** PESP 55058.

**Schedule Type:** Lecture, Practical Experience

**Contact Hours:** 2 lecture, 3 other

**Grade Mode:** Standard Letter

**PESP 59525 INQUIRY INTO PROFESSIONAL PRACTICE IN PHYSICAL EDUCATION 3 Credit Hours**

(Slashed with PESP 49525) Seminar focused on developing those skills and knowledge that enable future teachers to engage in effective reflective, collaborative and ethical professional practice.

**Prerequisite:** Physical Education concentration in the Secondary Education major; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## Sport, Exercise and Performance Psychology (SEPP)

### SEPP 20026 PSYCHOLOGICAL FOUNDATIONS OF SPORT AND EXERCISE 3 Credit Hours

Psychological Foundations of Sport and Exercise is an overview of foundational concepts and principles essential to understanding the psychological aspects of sport and exercise. Emphasis is given to psychologically based frameworks and their application to sport; in particular, exercise behavior, performance enhancement, mental skills, health and well-being. Coursework reflects an application of sport and exercise psychology concepts to practitioners in sport-related professions such as coaching, athletic training, sport management, physical education or fitness instruction, among others.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

### SEPP 30019 PSYCHOSOCIAL PERSPECTIVES FOR GROWTH AND DEVELOPMENT IN YOUTH SPORT 3 Credit Hours

This course provides a holistic approach to youth sport participation. Pulling from the most current knowledge and views from a diversity of disciplines the course addresses comprehensive and relevant considerations in the field and brings attention to the influences impacting children and youth participating in a range of sport and performance activities. Knowledge from this course applies to any professional working with children and adolescents, from a leadership standpoint; such as coaches, teachers, dance, music or other instructors of any performance-related activity.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

### SEPP 32250 PSYCHOLOGICAL ASPECTS OF SPORT INJURY 3 Credit Hours

This course examines the various factors impacting athletes prior to and after a sport injury occurs. Understanding the relationship between biological, psychological, and social factors is critical to understanding, preventing, and rehabbing from a sport injury. Students will learn more about the consequences of sport injury, various psychological responses to sport injury, and the culture surrounding sport injury for athletes at different levels. In addition, various psychological concepts that can influence rehabilitation from an injury will be explored.

**Prerequisite:** Sophomore standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

### SEPP 40020 HIGH PERFORMANCE ATHLETES IN SPORT 3 Credit Hours

(Slashed with SPAD 50020) This course provides an understanding of various aspects of training, coaching, and best practices in working with athletes in a high-performance environment along with an emphasis on the social-psychological factors related to the successful performance of elite level athletes and teams.

**Prerequisite:** Sophomore standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

### SEPP 40221 EXERCISE PSYCHOLOGY 3 Credit Hours

(Slashed with SPAD 50221) This course is designed to examine the science and practice of exercise psychology from both a theoretical and applied perspective. Students will be engaged in a comprehensive inquiry into behaviors and lifestyles that influence physical and mental health from physical activity, exercise and psychological lenses. Students will explore topics such as stress, anxiety, cognitive functioning, mood, body image, personality, emotion, and childhood inactivity/obesity as they relate to exercise behaviors and contexts. Students will gain a general understanding of issues in exercise psychology related to theory, practice, and research. In addition, students will develop practical skills to promote exercise adherence and create an exercise intervention program.

**Prerequisite:** SEPP 20026; and sophomore standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

### SEPP 45007 PRINCIPLES AND APPLICATION OF SPORT PSYCHOLOGY 3 Credit Hours

(Slashed with SPAD 55007) This course encompasses the most current developments in the field of psychology with a strong foundation of the principles of human behavior in the sport and movement sciences. It incorporates sound practical theory with a focus on the application of that knowledge to be readily used by students in a range of sport and movement science careers; such as athletic training, coaching, sport management, consulting, physical education teachers and related areas with the goal to improve the sport performance and experience for all.

**Prerequisite:** SEPP 20026; and junior or senior standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

### SEPP 45092 PRACTICUM IN SPORT PERFORMANCE (ELR) 1-3 Credit Hours

(Repeatable for credit) Supervised practical experiences within sport, exercise and performance psychology that are integrated with academic instruction. Forty-five contact hours per credit hour.

**Prerequisite:** Senior standing; and sport, exercise and performance psychology major or minor; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3-9 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**Attributes:** Experiential Learning Requirement

### SEPP 45300 MOTIVATION IN SPORT, PERFORMANCE, AND MOVEMENT SETTINGS 3 Credit Hours

(Cross-listed with SPAD 55300) This course provides an in-depth and wide-ranging look at motivational theories and its application to sport, performance and physical activity. It combines the many theoretical concepts of the diverse frameworks and principles with a survey of motivational interventions performed in the sport domain. Students will leave the class with a rigorous and comprehensive knowledge of constructs, cutting-edge research, effective interventions and future outlook of motivation in sport.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**SEPP 48225 SPORT PERFORMANCE PSYCHOLOGICAL INTERVENTIONS 3 Credit Hours**

(Slashed with SPAD 48225) This course combines the theoretical concepts of sport and performance psychology with applied skill development to enhance performance. Students will gain knowledge of psychological skills training, learn techniques and develop confidence in their skills to work with athletes and performers. The focus of this course is on both, educational psychological interventions for personal development as well as teaching athletes strategies to enhance mental skill. Learning will be done hands-on, via case studies or scenario-based activities. Through the course of this class this course, students will create and present their individual program for an athlete or performer. This course will include learning and understanding the APA/AASP ethics' code to develop awareness of the boundaries of ethical conduct of the profession.

**Prerequisite:** SEPP 20026; and junior standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter