Course Descriptions

SEC-Secondary Education

SEC200 - Instructional Strategies in Secondary Education
This course will allow the secondary education major to explore and develop the many types of instructional strategies/methodologies that are accepted as valid in the teaching of grades 7-12 students in differing content areas. Students will explore the principles underlying the construction of valid and reliable tests along with simple statistical measurement with emphasis on the application to classroom work. Prerequisite: SEC 150. (3 crs.) Fall and Spring

SEC210 - Introduction to Secondary Education
An entry-level course for prospective teachers designed to begin their professional development. Different instructional activities will allow the student to become proficient in the theories of modern secondary education instructional development, basic history and philosophy of secondary education and of pedagogy in general. (3 crs.) Fall and Spring

SEC220 - Standards-based Education in Secondary Education
The Pennsylvania Standards Aligned System (SAS) is a collaborative product of research and good practice that identifies six distinct elements which, if utilized together, will provide schools and districts a common framework for continuous school and district enhancement and improvement. There are many intangible components; however, research supports the notion that great schools and school systems tend to have six common elements that ensure student achievement: Clear Standards, Fair Assessments, Curriculum Framework, Instruction, Materials and Resources, and Interventions. 20 hours of field experience is required for this course. Corequisite SEC 210 (3cr.)

SEC300 - Field Experience in Secondary Education
This is a course in professional development that focuses on the practical problems of teaching and learning in the secondary school. Clinical experiences enable student participation in a range of activities that provide real-life experience with the problems confronting public school teachers today. Prerequisite: SEC 150. (3 crs.) Fall and spring.

SEC310 - Instructional Strategies in Secondary Education
This course will allow the secondary education major to explore and develop the many types of instructional strategies/methodologies that are accepted as valid in the teaching of grades 7-12 students in differing content areas. Students will explore the principles underlying the construction of valid and reliable tests along with simple statistical measurement with emphasis on the application to classroom work. Prerequisite: SEC 210. (3 crs.) Fall and spring.

SEC350 - Content Area Literacy
The purpose of this course is to help the prospective teachers of the secondary education academic subject areas develop an understanding and appreciation of the necessary reading skills needed by their students. Methods of establishing awareness of general reading needs as well as the special skills unique to their subject area will be stressed. Prerequisite: Admission to teacher education. (3 crs.) Fall

SEC360 - Technology Infusion
The purpose of this course is to help the teacher candidates learn how to effectively analyze, select, and integrate current educational technologies into the design, implementation and assessment of learning experiences to engage a diverse student population. 20 hours of field experience is required for this course. Prerequisite: EDF 333 (3 crs)

SEC391 - Teaching of Art
Students examine and discuss major issues in art education at the local, state, national, and international levels. Students analyze traditional approaches to these issues, including history of art education, national standards in art education, national teaching standards in art education, discipline-based art education movement, multiple intelligence in art education, special populations, cultural diversity, intradisciplinary arts education, collaboration outside the classroom, new mediums, presentation strategies, and art education advocacy. Prerequisite: Admission to teacher education. (3 crs.) Fall
**Course Descriptions**

**SEC392 - Teaching of English**
The application of principles of educational psychology, philosophy and sociology to the teaching of English and communications in secondary schools. The course includes both practical techniques of classroom practice and an investigation of the larger problems of the profession. Adequate prior content courses in English are necessary to the student undertaking this course. Prerequisite: Admission to teacher education. (3 crs.)

**SEC393 - Teaching of Foreign Languages**
This course is intended to familiarize prospective modern foreign language teachers with the oral proficiency methodology, its rationale and instructional materials of various types. Emphasis is placed on oral proficiency techniques as well as the techniques for teaching reading and writing, the effective and efficient use of electronic devices and visuals, the objectives of modern foreign language teaching, the selection of textbooks, the preparation of lesson plans, and the preparation of materials for laboratory and classroom use. Prerequisite: Admission to teacher education. (3 crs.)

**SEC394 - Teaching of Mathematics**
This course is designed to provide insight into the teaching of general mathematics, algebra, geometry, probability and statistics in grades 7-12. Students become aware of and use the resources and methods of instruction for teaching mathematics at the secondary level. Open to secondary mathematics education majors only and must be taken within two semesters prior to student teaching. Prerequisite: Admission to teacher education. (3 crs.)

**SEC395 - Teaching of Science**
This course prepares preservice middle school and high school science teachers to engage students in understanding science through personal experience. The course emphasizes strategies that engage students in active inquiry, collaboration with peers, and acquiring and using tools of learning in an experiential learning environment. The approach of the course is experiential, inquiry-oriented and reflective. Prerequisite: Admission to teacher education. (3 crs.)

**SEC396 - Teaching of Social Studies**
This course coordinates knowledge of the social studies disciplines (history, geography, civics and government, economics, anthropology, psychology, and sociology) with various instructional strategies appropriate for instruction in grades 7-12. Emphasis is given to the design, delivery and assessment of social studies education that meet Pennsylvania academic standards for social studies education. Prerequisite: Admission to teacher education. (3 crs.)

**SEC400 - Classroom Management**
This course will allow the secondary education major to explore different instructional methodology, develop individual and unit lesson plans, and learn classroom management, including the physical setup of the classroom, classroom rules, and procedures for dealing with problem students in the classroom. This course must be taken with SEC 461: Student Teaching and School Law. Prerequisites: Recommendation for Student Teaching. (3 crs.) Fall and spring.

**SEC420 - Assess & Interventions Sec Ed**
Part of this course is designed to provide insight into the design, implementation, and analysis of assessment instruments used in 7-12 education. The second part of this course is to allow the secondary education candidate to become aware of, and to gain experience in, the contemporary interventions that teachers use to prevent, minimize, or eliminate negative behaviors in the classroom. 20 hours of field experience is required for this course. (3cr.)

**SEC421 - Assessment in Art Education**
This course is designed to provide insight into the design, implementation, and analysis of assessment instruments used in art education. Results of art and design standards according to recent research are studied and trends are indicated. Open to second education art majors only and must be taken within two semesters prior to student teaching. Prerequisite: Admission to Teacher Education. (3 crs.) Spring
SEC423 - Assessment in English/Communication
This course is designed to provide insight into the design, implementation and analysis of assessment instruments used in English/communications education. Results of English/communications standards according to recent research are studied and trends are indicated. Open to secondary education English and communication majors only and must be taken within two semesters prior to student teaching. Prerequisite: Admission to Teacher Education. (3 crs.) Spring

SEC424 - Assessment in Language Education
This course is designed to provide insight into the design, implementation, and analysis of assessment instruments used in foreign language education. Results of foreign language standards according to recent research are studied and trends are indicated. Open to secondary education foreign Language majors only and must be taken within two semesters prior to student teaching. Prerequisite: Admission to Teacher Education (3 crs.) Spring

SEC425 - Assessment in Mathematics Education
This course is designed to provide insight into the design, implementation, and analysis of assessment instruments used in mathematics education. Results of mathematical standards according to recent research are studies and trends are indicated. Open to Secondary Education Mathematics majors only and must be taken within two semesters prior to student teaching. Prerequisite: Admission to Teacher Education (3 crs.) Spring

SEC426 - Assessment in Science Education
This course is designed to provide insight into the design, implementation, and analysis of assessment instruments used in science education. Results of science standards according to recent research are studied and trends are indicated. Open to secondary education biology, chemistry, earth and space science, and physics majors only and must be taken with two semesters prior to student teaching. Prerequisite: Admission to Teacher Education (3 crs.) Spring

SEC427 - Assessment in Social Studies Education
This course is designed to provide insight into the design, implementation and analysis of assessment instruments used in social studies education. Results of social studies standards according to recent research are studied and trends are indicated. Open to secondary education social studies majors only and must be taken within two semesters prior to student teaching. Prerequisite: Admission to Teacher Education (3 crs.) Spring

SEC433 - Teaching of English and Communications
The application of principles of educational psychology, philosophy and sociology to the teaching of English and communications in secondary schools. The course includes both practical techniques of classroom practice and an investigation of the larger problems of the profession. Adequate prior content courses in English are necessary to the student undertaking this course. Prerequisite: Admission to teacher education. (3 crs.)

SEC434 - Teaching of Foreign Languages
This course is intended to familiarize prospective modern foreign language teachers with the oral proficiency methodology, its rationale and instructional materials of various types. Emphasis is placed on oral proficiency techniques as well as the techniques for teaching reading and writing, the effective and efficient use of electronic devices and visuals, the objectives of modern foreign language teaching, the selection of textbooks, the preparation of lesson plans, and the preparation of materials for laboratory and classroom use. Prerequisite: Admission to teacher education. (3 crs.) Fall

SEC435 - Teaching of Mathematics
This course is designed to provide insight into the teaching of general mathematics, algebra, geometry, probability and statistics in grades 7-12. Students become aware of and use the resources and methods of instruction for teaching mathematics at the secondary level. Open to secondary mathematics education majors only and must be taken within two semesters prior to student teaching. Prerequisite: Admission to teacher education. (3 crs.) Fall
Course Descriptions

SEC436 - Teaching of Science
This course prepares preservice middle school and high school science teachers to engage students in understanding science through personal experience. The course emphasizes strategies that engage students in active inquiry, collaboration with peers, and acquiring and using tools of learning in an experiential learning environment. The approach of the course is experiential, inquiry-oriented and reflective. Prerequisite: Admission to teacher education. (3 crs.) Fall

SEC437 - Teaching of Social Studies
This course coordinates knowledge of the social studies disciplines (history, geography, civics and government, economics, anthropology, psychology, and sociology) with various instructional strategies appropriate for instruction in grades 7-12. Emphasis is given to the design, delivery and assessment of social studies education that meet Pennsylvania academic standards for social studies education. Prerequisite: Admission to teacher education. (3 crs.) Fall

SEC460 - Professional Practices in Secondary Education
The development and refinement of contemporary pedagogical skills constitute the primary learning purpose for student teachers. Specific teacher-learning skills that are developed are lesson planning, delivery methods, organizational procedures, class control, and educational measurement and evaluation. (3 crs.)

SEC461 - Student Teaching and School Law
This is the final and most extensive clinical experience. Students are assigned to a supervising teacher or teaching team at one of our clinical sites. The students spend full time in classroom teaching for a semester of 15 weeks. Student teaching is scheduled during either the fall or spring terms of the senior year. Pass/fail grade. Prerequisite: Recommendation for student teaching. (12 crs.) Fall and spring.