# IPTE Secondary Course Descriptions

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<td>CONTENT SPECIFIC METHODS COURSES-3</td>
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| **IPTE 4/5020-2** | Exploring Diversity in Content and Pedagogy I  
*An essential feature of standards-based curriculum design and instruction is the ability of teachers to draw from students’ previous experience, help students make connections between new information and previous knowledge and skills, and support students in transferring new information to real-life contexts and environments. The purpose of the year-long two-part workshop is to guide teacher candidates through a process for achieving these outcomes for all students utilizing curriculum that integrates reading, writing, math, science, social students, movement, and the expressive arts.* | Spring and Fall | Yes |
| **SPED 4/5021-2** (Prerequisite: IPTE 5020) | Exploring Diversity in Content and Pedagogy II  
*An essential feature of instructional and curriculum design, implementation, and evaluation is the ability of teachers to draw upon students’ previous experience, help students make connections between new information and previous knowledge and skills, and support students to transfer new information to real-life contexts and environments. The purpose of this course is to explore multiple aspects of complex complex processes including: 1) standards-based instruction (e.g., the relationship between standards and curriculum); 2) instructional design including both direct and indirect instruction; and 3) assessment, including both objective measures as well performance and portfolio assessment; and 4) differentiation in curriculum and instruction so that meaningful instruction becomes accessible to all students.* | Spring and Fall | Yes |
| **IPTE 4/5025-3** | Secondary Literacy Instruction and Assessment  
*Provides knowledge and practice in using specific literacy methods to enhance students’ content learning and literacy development in middle schools and high schools. Various methods of literacy assessment are emphasized as is the use of assessment information to guide instruction for students. Instructional strategies for special populations, especially speakers of English as a second language, are also addressed* | Spring and Fall | Yes |
| **IPTE 4/5026-1** | Content Literacy Assessment and Instruction Teaching Lab  
*The secondary literacy teaching lab is designed to support novice and experienced teachers from all content areas in examining students’ reading and writing performance data and using the data to plan instruction that assist secondary students in meeting reading and writing standards through work in content area classes. Conducted by teacher experts who possess knowledge of literacy strategies useful in content area teaching, labs utilize the data from the students that the lab participants are teaching.* | Spring and Fall | Yes |
| **IPTE 4/5121-3** | Negotiating the Classroom Culture with Adolescents  
*A central purpose of classroom management is to establish and maintain a learning environment that fosters both effective and efficient instruction in the context of a positive social culture that models democratic ideals for students. This course focuses on the dimensions of classroom life as they are directly influenced by the social and cultural background of middle and high school students.* | Spring and Fall | Yes |
| **IPTE 4/5130-3** | Democratic Schooling: Issues of Law and Ethics  
*Designed to provide an understanding of the legal, social, ethical, and democratic context of schools, the teacher’s legal and ethical role in schools, and to examine the related issues that currently face teachers, parents, students, legislators and administrators. The aim is to facilitate the clarification of a personal value system through readings and discussions of the foundations of schooling in America.* | Spring, Summer, Fall | |
### Content Specific Methods Courses

**English - IPTE 4/5760-3 Theory and Methods of Teaching Secondary English**
Focuses on teaching/learning theories and practical classroom strategies for teaching English Language Arts to adolescent learners in middle school, junior high school and high school classes.

**English - IPTE 4/5740-3 Adolescent Literature**
Reading and evaluation of fiction and non-fiction appropriate for students in middle and senior high school. Emphasis is on modern literature written for students from a variety of ethnic backgrounds. Course is also appropriate for teachers working with adults to improve their reading.

**Foreign Language - MLNG 5690-3 Curriculum and Methods in Foreign Language I**
Methodology to teaching French, German, and Spanish in an urban setting.

**Foreign Language – LLC Course recommended by advisor**

**Mathematics - IPTE 4/5300-3 Curriculum and Methods in Secondary Math**
Curriculum Secondary Mathematics. Investigates curriculum in middle and high school mathematics, development, history and trends, and pertinent research. Participants construct and share curriculum relevant to their interest.

**Mathematics - IPTE 4/5401-3 Assessment in Math Education**
Applied examination of traditional and alternative assessment techniques and practices in mathematics. A primary focus of the course is the questions teachers ask to probe mastery and understanding of standards-based mathematics and what to look for in student responses to those questions. Topics including the history of assessment of mathematical understanding, types of mathematical knowledge, performance, authentic assessment, traditional assessment techniques, interactive interviews, CSAP math tests, language and culture as factors in mathematics, recent research, and the influence of technology on assessment

**Science - IPTE 5351-3 Inquiry Science Methods**
Designed to provide an in-depth study of inquiry science methods and how inquiry science supports standards-based education. The course provides a review of research on the pedagogy that supports student understanding, problem solving and creativity through the use of inquiry science. Participants learn a variety of methods, techniques and resources for teaching inquiry science, understand the processes of “doing” science, and develop lessons that actively engage students in science in their own classrooms.

**Science - IPTE 5350-3 Modern Trends in Science Education**
Recent developments in theory, curriculum, methods, politics, and materials in secondary science are examined for their contribution to the objectives of science education.

**Social Studies - IPTE 4/5464-3 Problems and Methods in Teaching History and Social Studies 1**
Focuses on the themes of culture, people, and change, this course equips secondary teachers with the skills and knowledge needed to plan and implement secondary social studies curriculum using integrated methodology. Additionally, this course increases teachers’ understanding regarding the role of social studies education in the school curriculum and familiarizes teachers with problems, issues, and trends associated with social studies curricula.

**Social Studies - IPTE 4/5465-3 Problems and Methods in Teaching History and Social Studies 2**
Focuses on the themes of power, technology, and society, this course equips secondary teachers with the knowledge and skills needed to plan and implement secondary social studies curriculum using integrated methodology. Additionally, this course increases teachers’ understanding regarding the role of social studies education in the school curriculum and familiarizes teachers with problems, issues, and trends associated with social studies curricula.