

# ADOLESCENCE EDUCATION (SED)

## SED240. Integrating English Learners into Schools and Classrooms. 3 Credits.

Specialized instructional techniques/strategies are necessary to effectively teach English learners (ELs) in integrated classrooms. Here, students are encouraged to develop, implement, and reflect on lessons/activities that foster EL engagement in integrated, recursive, and generative ways.

### Restrictions:

- Must have the following level: Undergraduate

May not be repeated for credit

## SED293. Secondary Education Selected Topic. 3-12 Credits.

May be repeated for credit

## SED295. Independent Study Secondary Education. 0 Credits.

May be repeated for credit

## SED340. Introduction to Foreign Language Teaching in the Secondary School. 3 Credits.

An introduction to first and second language acquisition theories and foreign language instructional approaches and assessments in light of the national and NY State standards for foreign language learning.

### Restrictions:

- Must not be enrolled in the following class: Freshman

May not be repeated for credit

## SED350. Fieldwork #2. 1 Credit.

Students will immerse themselves in secondary school settings, cultures, and direct discipline-related activities. This includes interviewing, observing, and interacting with students, discipline-specific teachers, administrators, and staff. Co-requisite: Discipline-specific methods course (SED370, SED371, SED373, SED374, SED375, SED381, SED391).

### Attributes:

- Field Study

### Restrictions:

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman

May not be repeated for credit

## SED353. Field Work #1. 1 Credit.

The field lab is a co-requisite with Introduction to Curriculum Assessment (SED453). Students will immerse themselves in secondary school settings and cultures by interviewing, observing, and interacting with key stakeholders including students, teachers, administrators and staff. COURSE FEE FOR WATERMARK.

### Attributes:

- Field Study

### Restrictions:

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman
- Must be enrolled in the following field(s) of study (major, minor or concentration):
  - Adolescence Ed: Biology (440)
  - Adolescence Ed: Chemistry (441)
  - Adolescence Ed: Earth Science (442)
  - Adolescence Ed: English (443)
  - Adolescence Ed: French (444)
  - Adolescence Ed: Math (446)
  - Adolescence Ed: Physics (449)
  - Adolescence Ed: Social Studies (445)
  - Adolescence Ed: Spanish (447)
  - Adolescence Education (ADL)
  - Biology AP (508A)
  - Chemistry AP (50CH)
  - Geology AP (51ES)

### Prerequisites:

- SED Fieldwork Form Minimum Score of Y

### Corequisites:

- SED453

May not be repeated for credit

### **SED354. Foundations of Secondary Education Seminar. 1 Credit.**

In a series of classroom- and field-based exercises, students will begin to inquire into key curriculum issues in secondary education within the broader philosophical, psychological, and social contexts of schools and schooling.

#### **Restrictions:**

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman
- Must be enrolled in the following field(s) of study (major, minor or concentration):
  - Adolescence Ed: Biology (440)
  - Adolescence Ed: Chemistry (441)
  - Adolescence Ed: Earth Science (442)
  - Adolescence Ed: English (443)
  - Adolescence Ed: French (444)
  - Adolescence Ed: Math (446)
  - Adolescence Ed: Physics (449)
  - Adolescence Ed: Social Studies (445)
  - Adolescence Ed: Spanish (447)
  - Adolescence Education (ADL)
  - Biology AP (508A)
  - Chemistry AP (50CH)
  - Geology AP (51ES)

May not be repeated for credit

### **SED356. Teaching and Learning in the Digital Environment. 3 Credits.**

Teacher candidates will learn how to integrate digital tools in the teaching and learning environment while promoting digital citizenship. They will examine relevant research and explore innovative teaching and learning practices involving the use of digital media.

#### **Attributes:**

- Information Literacy Intermed
- Information Mgmt Intrmd

#### **Restrictions:**

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman
- Must be enrolled in the following field(s) of study (major, minor or concentration):
  - Adolescence Ed: Biology (440)
  - Adolescence Ed: Chemistry (441)
  - Adolescence Ed: Earth Science (442)
  - Adolescence Ed: English (443)
  - Adolescence Ed: French (444)
  - Adolescence Ed: Math (446)
  - Adolescence Ed: Physics (449)
  - Adolescence Ed: Social Studies (445)
  - Adolescence Ed: Spanish (447)

May not be repeated for credit

### **SED358. Education Across Borders. 3 Credits.**

Exploration of educational policies, practices and philosophies across diverse countries primarily outside Europe and the U.S. within the context of regional histories and with concern for how social forces affect education and how education affects social development.

#### **Attributes:**

- Effective Expression/Written
- Liberal Arts
- Writing Intensive
- GE4: World Civilizations
- GE3: WRLD

#### **Restrictions:**

- Must not be enrolled in the following class: Freshman

May not be repeated for credit

### **SED370. Teaching English in the Secondary School. 3 Credits.**

Purposes, materials, and techniques for effective teaching of English in the secondary school. Analysis of relevant research. The course will also include a series of structured instructional experiences intended to further students first-hand knowledge of secondary schools and schooling.

#### **Attributes:**

- Critical Thinking Intermediate
- Critical Think Reason Interm

#### **Restrictions:**

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman
- Must be enrolled in the following field(s) of study (major, minor or concentration): Adolescence Ed: English (443)

#### **Prerequisites:**

- SED350\*

\* May be taken at the same time

May not be repeated for credit

### **SED373. Teaching Social Studies in the Secondary School. 3 Credits.**

Purposes, materials, and techniques for effective teaching of the social studies in the secondary school. The course will also include a series of structured instructional experiences intended to further students' first-hand knowledge of secondary schools and schooling.

#### **Attributes:**

- Critical Thinking Intermediate
- Critical Think Reason Interm

#### **Restrictions:**

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman
- Must be enrolled in the following field(s) of study (major, minor or concentration): Adolescence Ed: Social Studies (445)

#### **Prerequisites:**

- SED350\*

\* May be taken at the same time

May not be repeated for credit

### **SED374. Teaching Science in the Secondary School. 3 Credits.**

Constructivist views of science, science learning, and science teaching. Strategies for planning, managing, and assessing instruction especially for pupils demonstrating a wide range of backgrounds and abilities. The course will also include a series of structured instructional experiences intended to further students' first-hand knowledge of secondary schools and schooling.

#### **Attributes:**

- Critical Thinking Intermediate
- Critical Think Reason Interm

#### **Restrictions:**

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman
- Must be enrolled in the following field(s) of study (major, minor or concentration):
  - Adolescence Ed: Biology (440)
  - Adolescence Ed: Chemistry (441)
  - Adolescence Ed: Earth Science (442)
  - Adolescence Ed: Math (446)
  - Adolescence Ed: Physics (449)

#### **Prerequisites:**

- SED350\*

\* May be taken at the same time

May not be repeated for credit

### **SED375. Teaching Mathematics in the Secondary School. 3 Credits.**

Purposes, materials, and techniques for effective teaching of secondary school mathematics. Analysis of relevant research. The course will also include a series of structured instructional experiences intended to further students' first-hand knowledge of secondary schools and schooling.

#### **Attributes:**

- Critical Thinking Intermediate
- Critical Think Reason Interm

#### **Restrictions:**

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman
- Must be enrolled in the following field(s) of study (major, minor or concentration): Adolescence Ed: Math (446)

#### **Prerequisites:**

- SED350\*

\* May be taken at the same time

May not be repeated for credit

### **SED393. Secondary Education Selected Topic. 1-12 Credits.**

#### **Restrictions:**

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman
- Must be enrolled in the following field(s) of study (major, minor or concentration):
  - Adolescence Ed: Biology (440)
  - Adolescence Ed: Chemistry (441)
  - Adolescence Ed: Earth Science (442)
  - Adolescence Ed: English (443)
  - Adolescence Ed: French (444)
  - Adolescence Ed: Math (446)
  - Adolescence Ed: Physics (449)
  - Adolescence Ed: Social Studies (445)
  - Adolescence Ed: Spanish (447)

May be repeated for credit

**SED404. Student Teaching Secondary, 7-9. 6 Credits.**

A full-time experience in the major areas of teacher responsibility in grades 7-9.

**Restrictions:**

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman
- Must be enrolled in the following field(s) of study (major, minor or concentration):
  - Adolescence Ed: Biology (440)
  - Adolescence Ed: Chemistry (441)
  - Adolescence Ed: Earth Science (442)
  - Adolescence Ed: English (443)
  - Adolescence Ed: French (444)
  - Adolescence Ed: Math (446)
  - Adolescence Ed: Physics (449)
  - Adolescence Ed: Social Studies (445)
  - Adolescence Ed: Spanish (447)

**Corequisites:**

- SED405
- SED406
- SED407

May not be repeated for credit

**SED405. Student Teaching Secondary 10-12. 6 Credits.**

A full-time experience in the major areas of teacher responsibility in grades 10-12.

**Attributes:**

- Practicum - Non-Clinical

**Restrictions:**

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman
- Must be enrolled in the following field(s) of study (major, minor or concentration):
  - Adolescence Ed: Biology (440)
  - Adolescence Ed: Chemistry (441)
  - Adolescence Ed: Earth Science (442)
  - Adolescence Ed: English (443)
  - Adolescence Ed: French (444)
  - Adolescence Ed: Math (446)
  - Adolescence Ed: Physics (449)
  - Adolescence Ed: Social Studies (445)
  - Adolescence Ed: Spanish (447)

**Corequisites:**

- SED404
- SED406
- SED407

May not be repeated for credit

**SED406. Student Teaching Seminar. 1 Credit.**

All secondary education students must take this seminar while student teaching. The principal purposes of the seminar are four: first, to provide an orientation for students about to begin to student teach; second, to offer practical support for students while student teaching; third, to help students develop individual professional portfolios; and fourth, to serve as a culminating educational experience for all pre-service secondary education students.

**Attributes:**

- Practicum - Non-Clinical
- Critical Thinking Advanced
- Critical Think Reasoning Adv
- Information Literacy Advanced
- Information Mgmt Advanced

**Restrictions:**

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman
- Must be enrolled in the following field(s) of study (major, minor or concentration):
  - Adolescence Ed: Biology (440)
  - Adolescence Ed: Chemistry (441)
  - Adolescence Ed: Earth Science (442)
  - Adolescence Ed: English (443)
  - Adolescence Ed: French (444)
  - Adolescence Ed: Math (446)
  - Adolescence Ed: Physics (449)
  - Adolescence Ed: Social Studies (445)
  - Adolescence Ed: Spanish (447)

**Corequisites:**

- SED404
- SED405

May not be repeated for credit

**SED407. Fieldwork #3. 1 Credit.**

Students will immerse themselves in two particular secondary school settings with the purpose of understanding the school culture in which they will be student teaching. This will involve interviewing, observing, and interacting with students, teachers, administrators and staff in a broad range of "normal" school-related activities. Co-requisite: Discipline-specific student teaching course (SED404, SED405, SED406).

**Attributes:**

- Field Study

**Restrictions:**

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman
- Must be enrolled in the following field(s) of study (major, minor or concentration):
  - Adolescence Ed: Biology (440)
  - Adolescence Ed: Chemistry (441)
  - Adolescence Ed: Earth Science (442)
  - Adolescence Ed: English (443)
  - Adolescence Ed: French (444)
  - Adolescence Ed: Math (446)
  - Adolescence Ed: Physics (449)
  - Adolescence Ed: Social Studies (445)
  - Adolescence Ed: Spanish (447)

**Corequisites:**

- SED404
- SED405
- SED406

May not be repeated for credit

**SED453. Curriculum and Assessment in the Secondary School. 3 Credits.**

Students will read, discuss, debate and write about curriculum and assessment philosophy and practice. Students will experience first hand a variety of authentic learning assessments and observe and interview teachers in secondary schools.

**Attributes:**

- Critical Thinking Introductory
- Critical Think Reason Intro
- Information Literacy Intro
- Information Mgmt Intro

**Restrictions:**

- Must have the following level: Undergraduate
- Must not be enrolled in the following class: Freshman
- Must be enrolled in the following field(s) of study (major, minor or concentration):
  - Adolescence Ed: Biology (440)
  - Adolescence Ed: Chemistry (441)
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  - Adolescence Ed: Social Studies (445)
  - Adolescence Ed: Spanish (447)
  - Adolescence Education (ADL)
  - Biology AP (508A)
  - Chemistry AP (50CH)
  - Geology AP (51ES)

**Prerequisites:**

- SED Fieldwork Form Minimum Score of Y

**Corequisites:**

- SED353

May not be repeated for credit

**SED493. Secondary Education Selected Topic. 3-12 Credits.****Restrictions:**

- Must not be enrolled in the following class: Freshman

May be repeated for credit

**SED495. Independent Study Secondary Education. 1-12 Credits.****Restrictions:**

- Must not be enrolled in the following class: Freshman

May be repeated for credit