



This catalog reflects the final Fall and Yearlong courses that will be offered in AY16-17.

School Year
2016-2017

Advanced Coursework Network Catalog



Rhode Island Department of Education
School Year 2016-2017

MASTER EDITION

---FALL & YEARLONG COURSES---
-----BY DISCIPLINE-----



Register or learn more online at
www.ride.ri.gov/advancedcoursework

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About the Advanced Coursework Network

Rhode Island students work diligently to meet high school graduation requirements and prepare themselves for college and career success. For some students, that work will include advanced courses for college credit or specialized training to receive an industry certification. These enriching experiences help students get a head start on post-secondary success, master the skills required of a lifelong learner, and be prepared for jobs in sectors critical to Rhode Island's future prosperity.

The Rhode Island Department of Education (RIDE) has developed the Advanced Coursework Network to ensure that all students have access to high quality coursework that will allow them to pursue their interests and prepare them for success after high school. The Advanced Coursework Network is a statewide course access system that gives students choices beyond what is available at their high school. Through state funding, schools can seamlessly expand course opportunities for their students at no additional cost to students, families or the district. The options available to schools and students will be offered through high quality, state-approved course providers, with possibilities ranging from local industry training programs to advanced courses at Rhode Island's colleges and universities.

The Network engages students and families to give Rhode Island high school students access to courses that enable them to envision, pursue and complete their individualized graduation pathway. Students remain enrolled in their current public school, but can supplement their existing curricular options to improve their college and career preparedness. The course offerings include advanced science and mathematics courses, as well as Advanced Placement (AP[®]), world languages, career-focused and dual/concurrent enrollment courses.

Important Information

Costs: The RI Department of Education (RIDE) will cover the cost of course tuition and fees including textbook and materials for courses listed in this catalog for all students enrolling from public school Network Members. RIDE is unable to cover costs associated with transportation to courses. Students and families are responsible for these potential transportation costs. Please note that for Advanced Placement courses, the provider must adhere to the policies they have in place for students enrolled from their existing program. This means in some cases, a student may be responsible for the \$92 to take the test. RIDE has funds available to supplement costs for students of families with qualified incomes. For more information, visit www.ride.ri.gov/advancedcoursework.

Registration and Enrollment: Students should work with their school guidance counselors and their families to identify appropriate coursework. Once coursework is identified, students, families or guidance counselors may complete the registration form on www.ride.ri.gov/advancedcoursework. Courses on the registration form will be organized alphabetically by course name. Please note the course, scheduling summary and provider of the courses you are interested in to be able to identify them on the form.

Courses will be filled "first-come-first-serve" with a wait list being created in the case seats open in the course before the start date. Specific start dates of each course will be shared by the Course Provider once a student has confirmed their registration in the course. **Students are not fully enrolled in the course until they and their School Contact receive a confirmation email from the course provider.**

**For questions or comments about the Advanced Coursework Network, email
advancedcoursework@ride.ri.gov**

COURSE OPTIONS

The following pages share the AY16-17 Fall and Yearlong course offerings. Courses are categorized into Discipline. Within each discipline, the course credit type can be identified in the “category” line of the course description. Those credit types are as follows:

- Dual / Concurrent Enrollment: These courses will enable students to earn college from an accredited post-secondary institution while earning high school credit.
- Advanced Placement: These courses are identified by the College Board organization and are designed to be of college rigor. Students may choose to take a comprehensive course at the end of these courses to obtain a college credit equivalent that is accepted by many 2 and 4 year institutions of higher education.
- Career Preparation: These courses have been identified as leading to a workplace credential or oriented towards increasing student awareness of potential career opportunities.
- Advanced Secondary Credit: These courses may be electives and address various disciplines.



Courses may be offered in face to face formats or virtually. Look for this symbol to quickly identify virtual courses.

REGISTER OR LEARN MORE ONLINE AT WWW.RIDE.RI.GOV/ADVANCEDCOURSEWORK

ENGINEERING & TECHNOLOGY

AP Computer Science Principles

Category: Dual / Concurrent Credit - Engineering & Technology

Description: AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. This curriculum framework provides a detailed description of the course content. The key sections of this framework are described in the following text (The AP Computer Science Principles Curriculum Framework). AP CSP offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cyber security concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. The University of Rhode Island's Department of Computer Science and Statistics has developed a rigorous schedule of activities that align with the College Board's curriculum framework for AP CSP based on their freshmen introduction to computer science. The units have been tested across a 5 school districts in Rhode Island. FabNewport will use the URI curriculum developed by Victor Fay-Wolfe. Students receive 8 credits from the University of Rhode Island for successfully completing the course.

Credential Opportunity:	Concurrent Credit
Prerequisites:	None
Scheduling Summary:	F2F - School Day – One Day a Week OR Two days a week
Semester:	Yearlong
Middle School Eligible:	No
Day of Week / Time:	Friday: 10-2 (meet once a week) Tuesday and Thursday: 10am – Noon (meets twice a week)
Location:	1 York Street, Newport RI
Provider-Suggested Sched Code:	10011



PPL Computer Science Teen Squad

Category: Advanced Secondary Credit - Engineering & Technology

Description: In collaboration with the Providence Public Library (PPL), you will apply real-world computer science by creating a personalized “Then and Now” Web profile on a Rhode Island - related topic of interest that you choose. You will get access to PPL’s non-circulating Special Collections materials to conduct your research. Through your project, you will get an introduction to the concepts of digital humanities, public history and the collection/creation of new historical resources. The project will culminate with a student created digital exhibit on the PPL webpage.

Credential Opportunity: N/A
Prerequisites: None
Scheduling Summary: F2F - Afterschool 2xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Mon/Wed /3:30pm - 5pm
Location: Providence Public Library
Provider-Suggested Sched Code: 10002



Introduction to Engineering Technology

Category: Dual / Concurrent Credit - Engineering & Technology

Description: 2 Class Hours 2 Quarter Credit Hours | EST 112 This course is an introduction to engineering technology that gives an overview of the engineering profession with sample applications of typical duties, tasks, and environment of the engineer and technologist today. The opportunities for and duties of various related engineering and technology specialists are illustrated. The future of engineering technology is also discussed.

Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: F2F - Afterschool 2xWeek
Semester: Fall Quarter (October-December)
Middle School Eligible: No
Day of Week / Time: Mon/Wed /3:05pm - 4:45pm
Location: One New England Tech Blvd., East Greenwich, RI 02818
Provider-Suggested Sched Code: 21999



Introduction to Game Development

Category: Dual / Concurrent Credit - Engineering & Technology

Description: 2 Class Hours 2 Lab Hours 3 Quarter Credit Hours | GDS 114 This course is an overview of the game development industry. Students will learn what is involved in developing a professional game from start to finish. Topics include the game development life cycle, developing a budget and game specification documents. Students will also be exposed to important physics, math and artificial intelligence concepts relevant to game development.

Credential Opportunity: Dual Credit

Prerequisites: None

Scheduling Summary: F2F - Afterschool 2xWeek

Semester: Fall Quarter (October-December)

Middle School Eligible: No

Day of Week / Time: Mon/Wed /3:05pm - 4:45pm

Location: One New England Tech Blvd., East Greenwich, RI 02818

Provider-Suggested Sched Code: 21059



Society, Ethics & Technology

Category: Dual / Concurrent Credit - Engineering & Technology

Description: This course provides a study of materials, processes, and equipment used in industry today. Topics include ferrous and nonferrous metals, material testing, heat treatment, founding process output capabilities of machines, welding, and inspection. Field trips and industrial films augment the text material. (3 credits)

Credential Opportunity: Dual Credit

Prerequisites: None

Scheduling Summary: Virtual - Asynchronous

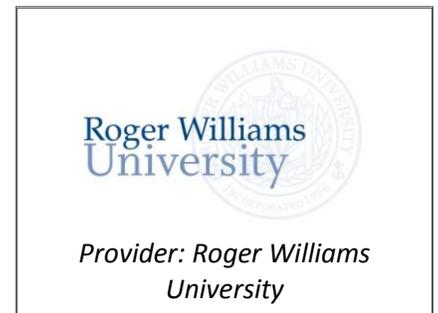
Semester: Fall 2016

Middle School Eligible: Yes

Day of Week / Time: Virtual - Asynchronous /

Location: Online

Provider-Suggested Sched Code: 13002



Nautical Science

Category: Dual / Concurrent Credit - Engineering & Technology

Description: An introduction to Nautical Science this course covers basic skills that would put the student at "Able Seafarer: level of knowledge in the Merchant Marine. The course includes material appropriate to the duties of an Able Seafarer, as well as skills to efficiently organization the work of others. Topics covered include: rigging, mechanical advantage, deck equipment, hardware, maintenance, line handling and safety procedures, laws for the prevention of collisions at sea, identification of navigational aids, Introduction to maritime pollution prevention laws and practice, marlinspike seamanship and where possible the theory and practice of cargo and weight handling. All topics will be covered both theoretically and practically.

Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: F2F - Afterschool 1xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Mon/Wed or Tues/Thurs /TBA
Location: 32 Washington Street, Fairhaven, MA
Provider-Suggested Sched Code: 20054



Provider: Northeast Maritime Academy

3D Modeling and Digital Manufacturing

Category: Career Preparation - Engineering & Technology

Description: 3D Modeling and Digital Manufacturing is an introductory career readiness course, preparing students to work in advanced manufacturing and rapid prototyping. The course is process oriented; student work focuses on designing and completing projects with personal relevance and community impact. It is an integrated curriculum combining a variety of subjects (see below) and driven by student inquiry and experiential learning. The course combines soft skill development (problem solving, curiosity, initiative, communication, collaboration, communication), technical skills, design and manufacturing techniques, and purpose-driven project-based pedagogy to build a career readiness foundation for students.

Credential Opportunity: Autodesk Certified User
Prerequisites: None
Scheduling Summary: F2F - School Day – One Day a Week OR Two days a week
Semester: Yearlong
Middle School Eligible: No
Day of Week / Time: Wednesday: 10-2 (meet once a week)
 Tuesday and Thursday: 12:30-2:30 (meets twice a week)
Location: 1 York Street, Newport RI
Provider-Suggested Sched Code: 21010



FabNewport
 Dream. Design. Make.

Provider: Fab Newport

Music Stations

Category: Career Preparation – Engineering & Technology

Description: Students complete the course with an understanding of the software and hardware used in modern music production.

Credential Opportunity: N/A

Prerequisites: None

Scheduling Summary: F2F - Afterschool 2xWeek

Semester: Fall 2016

Middle School Eligible: No

Day of Week / Time: Mon/Wed or Tues/Thurs /4pm - 6pm

Location: 640 Broad St., Providence RI

Provider-Suggested Sched Code: 05123



Provider: Astro Curricular

Center for Dynamic Learning: Intro to Mechanical Fabrication

Category: Advanced Secondary Credit - Engineering & Technology

Description: This course, designed and taught by quality STEAMM Educators at the Center for Dynamic Learning, imparts students with an introduction of mechanical technology. Successful completion of the course will provide the student with the benefits, limitations, and applications of different machine tools and environmentally friendly engineering materials for product manufacturing and fabrication. Students will study wood, plastic, and metal working.

Credential Opportunity: N/A

Prerequisites: None

Scheduling Summary: F2F - Afterschool 2xWeek

Semester: Fall 2016

Middle School Eligible: No

Day of Week / Time: Tues/Thurs /3:30pm - 5pm

Location: 1 Louisa Street in Providence.

Provider-Suggested Sched Code: 21106



Provider: Providence After School Alliance

Chrysalis App Design

Category: Advanced Secondary Credit - Engineering & Technology

Description: Danielle Bessler Foundation: Chrysalis: is a program designed by the Danielle Bessler Foundation for women of high-school age to design and build websites and mobile apps in a supportive atmosphere that encourages creativity & economic self-sufficiency. Students learn principles of coding and computology using state of the art technology, tools & app design techniques.

Credential Opportunity: N/A
Prerequisites: None
Scheduling Summary: F2F - Afterschool 2xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Tues/Thurs 3:30pm - 5pm
Location: Central High School
Provider-Suggested Sched Code: 10004

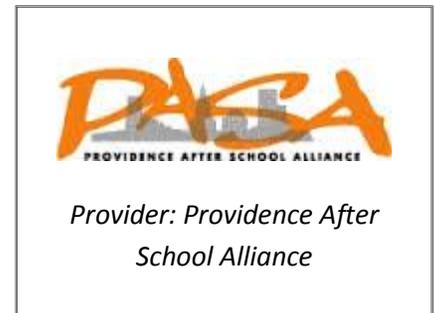


DownCity Designers

Category: Advanced Secondary Credit - Engineering & Technology

Description: Students will work with DownCity Design educators to design a new structure to improve a school or public space in Providence, then they'll learn to use power tools to build their vision. This is a great class for anyone interested in architecture, design, or construction. No construction skills are necessary

Credential Opportunity: N/A
Prerequisites: None
Scheduling Summary: F2F - Afterschool 2xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Mon/Wed /3:30pm - 5pm
Location: 425 West Fountain St. in Providence.
Provider-Suggested Sched Code: 17997



Principles of Design (ACE FabLab)

Category: Advanced Secondary Credit - Engineering & Technology

Description: In collaboration with DownCity Design and Brandaris Maritime, students will explore principles of design, mechanics of materials, applied physics, use of tools, personal protective equipment, computer-aided design techniques, rapid prototyping, and the emerging advanced and additive manufacturing and construction industries. Students will design and build projects that fulfill an identified community need.

Credential Opportunity:	N/A
Prerequisites:	None
Scheduling Summary:	F2F - Afterschool 2xWeek
Semester:	Yearlong
Middle School Eligible:	No
Day of Week / Time:	Tues/Thurs /3:30pm - 5pm
Location:	Academy for Career Exploration
Provider-Suggested Sched Code:	21053



*Provider: Providence After
School Alliance*

ENGLISH LANGUAGE & COMPOSITION

Critical Writing for the Professions

Category: Dual / Concurrent Credit - English Language & Composition

Description: A research-based course, Critical Writing for the Professions focuses on the guidelines for persuasive writing commonly used in business and industry: how to write for specific audiences, choose the appropriate style, design effective document formats. and use visuals to help achieve a documents purpose. The course emphasizes the composition of such professional documents as letters, proposals, and analytical reports. {3 credits}

Credential Opportunity:	Dual Credit
Prerequisites:	None
Scheduling Summary:	F2F - Afterschool 1xWeek
Semester:	Fall 2016
Middle School Eligible:	No
Day of Week / Time:	Thursday /6:15pm - 9pm
Location:	RWU Campus, Providence
Provider-Suggested Sched Code:	01105



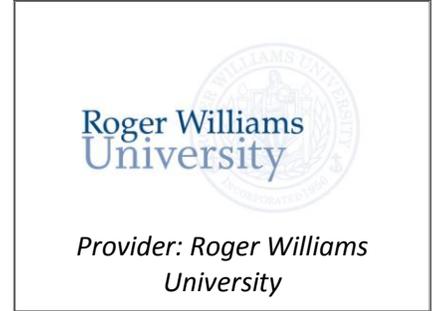
*Provider: Roger Williams
University*

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Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: Virtual - Asynchronous
Semester: Fall 2016
Middle School Eligible: Yes
Day of Week / Time: Virtual - Asynchronous /
Location: Online
Provider-Suggested Sched Code: 01105

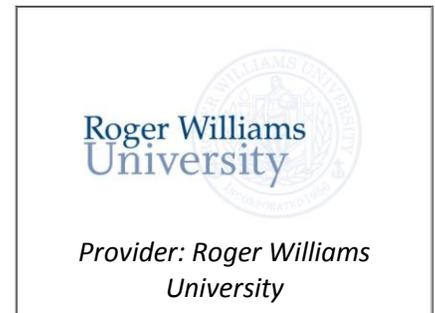


Evolution of Jazz

Category: Dual / Concurrent Credit - English Language & Composition

Description: This course is an overview of the development of America's original art form. It deals with events of the times, the cultural and societal influences on the development of Jazz and on the music itself. Through reading, viewing, and listening, students will study the many styles of this uniquely American phenomenon.

Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: F2F - Afterschool 1xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Thursday /6:15pm - 9pm
Location: RWU Campus, Providence
Provider-Suggested Sched Code: 04302

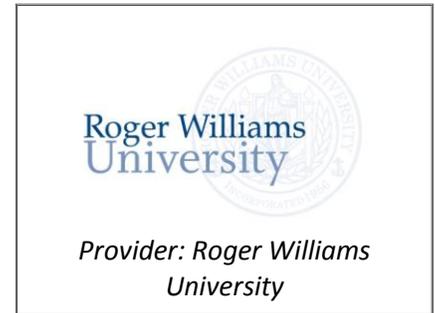


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Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: Virtual - Asynchronous
Semester: Fall 2016
Middle School Eligible: Yes
Day of Week / Time: Virtual - Asynchronous /
Location: Online
Provider-Suggested Sched Code: 04302

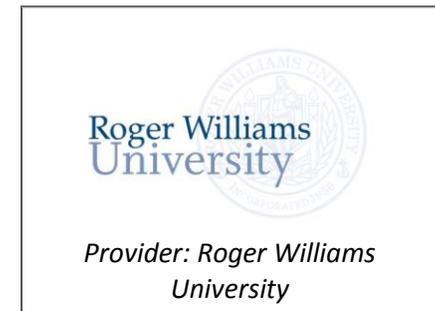


Expository Writing

Category: Dual / Concurrent Credit - English Language & Composition

Description: This first-year course helps students develop a conceptual map of how writing works by building their rhetorical and writing process knowledge and by fostering genre and discourse community awareness. Students draft a minimum of four revised essays and complete a course portfolio. Students must submit a satisfactory portfolio and earn a C-or higher in the course in order to enroll in a 200-or 300-level WTNG course. (3 credits)

Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: F2F - Afterschool 1xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Monday /6:15pm - 9pm
Location: RWU Campus, Providence
Provider-Suggested Sched Code: 01105

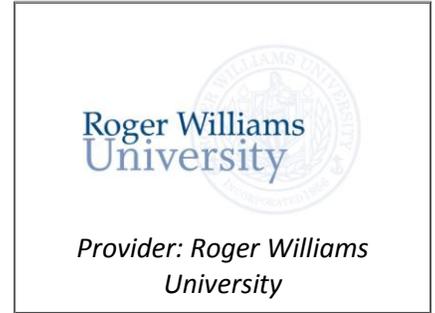


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Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: Virtual - Asynchronous
Semester: Fall 2016
Middle School Eligible: Yes
Day of Week / Time: Virtual - Asynchronous /
Location: Online
Provider-Suggested Sched Code: 01105

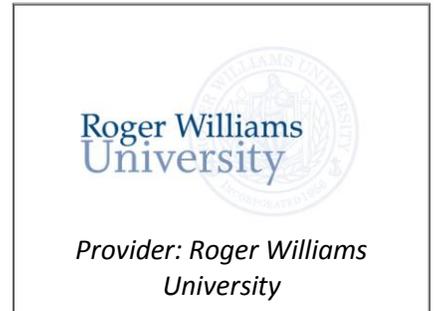


Intro to Public Speaking

Category: Dual / Concurrent Credit - English Language & Composition

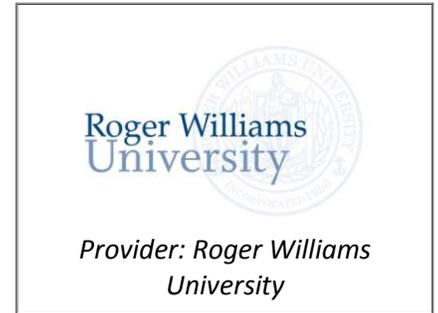
Description: This course emphasizes effective speaking techniques for public as well as everyday situations. Focuses on identifying and organizing, and presenting facts, opinions, and values to a variety of audiences. (3 credits)

Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: F2F - Afterschool 1xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Monday /6:15pm - 9pm
Location: RWU Campus, Providence
Provider-Suggested Sched Code: 01151



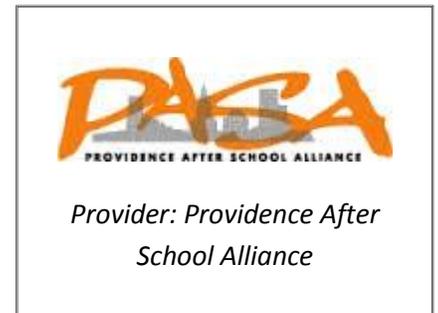
Intro to Public Speaking

Category: Dual / Concurrent Credit - English Language & Composition
Description: This course emphasizes effective speaking techniques for public as well as everyday situations. Focuses on identifying, organizing, and presenting facts, opinions, and values to a variety of audiences. (3 credits)
Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: Virtual - Asynchronous
Semester: Fall 2016
Middle School Eligible: Yes
Day of Week / Time: Virtual - Asynchronous /
Location: Online
Provider-Suggested Sched Code: 01151



Storytelling, Leadership and Change

Category: Advanced Secondary Credit - English Language & Composition
Description: Youth in Action: Storytelling, Leadership and Change: Youth dive into workshops twice a week during the school year exploring skills such as public speaking, cooperation, empathy, facilitation, and storytelling. Above all, youth learn how to build relationships, both with adults and their peers
Credential Opportunity: N/A
Prerequisites: None
Scheduling Summary: F2F - Afterschool 2xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Wednesday & Thursday, after school 4:00 pm -6:00 pm
Location: Youth In Action, Providence
Provider-Suggested Sched Code: 22101



Young Voices Leadership Transformation Academy

Category: Advanced Secondary Credit - English Language & Composition

Description: Instructors will meet with the students twice a week, providing advanced leadership training in the development of oral and written communication skills, how to analyze policy issues related to high school education, and the art of dialogue and debate. Each student will also receive additional training in critical thinking and the development of the skills necessary to participate in meetings with the school principals, district and city officials and state representatives.

Credential Opportunity: N/A
Prerequisites: None
Scheduling Summary: F2F - Afterschool 2xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Mon/Thurs /3:30pm - 5:30pm
Location: 300 Weybosset St, Providence
Provider-Suggested Sched Code: 22101



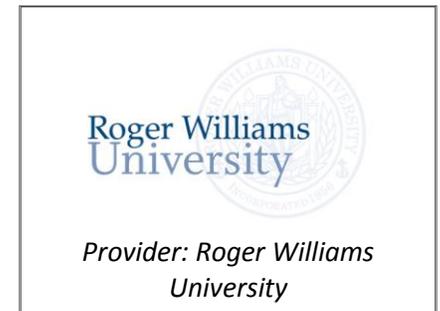
HISTORY & SOCIAL STUDIES

Criminal Law for the Paralegal

Category: Dual / Concurrent Credit - History & Social Sciences

Description: Criminal law for the Paralegal offers an analysis of substantive criminal law, federal and state, with emphasis on background of the common law. Includes discussion of general principles of criminal law such as the extent to which the law attributes criminality to acts or omissions; criminal intent; conspiracy; infancy; insanity; drunkenness; special defenses; entrapment, mistake, and ignorance; and specific offenses such as offenses against the person, habitation, property, public peace, and morality. (3 credits)

Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: F2F - Afterschool 1xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Tuesday /6:15pm - 9pm
Location: RWU Campus, Providence
Provider-Suggested Sched Code: 15057

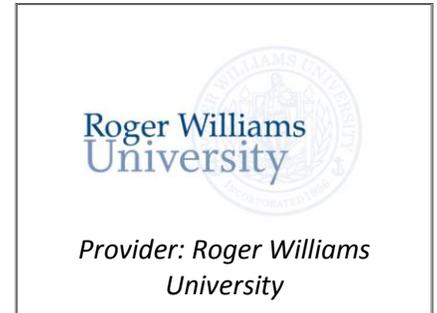


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Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: Virtual - Asynchronous
Semester: Fall 2016
Middle School Eligible: Yes
Day of Week / Time: Virtual - Asynchronous
Location: Online
Provider-Suggested Sched Code: 15057

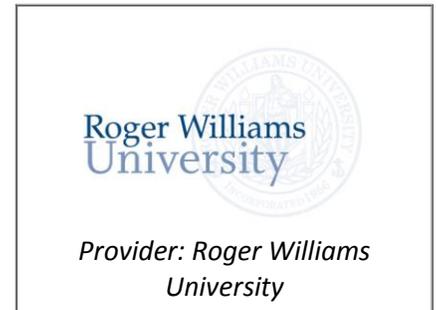


Elements and Issues in Community Development

Category: Dual / Concurrent Credit - History & Social Sciences

Description: Elements and Issues in CO provides an overview of the concepts, theories and applications in the field of community development. This is the foundation course for the Community Development program, but it is appropriate for all students interested in a comprehensive look at the elements required to understand what makes for successful communities, from housing to education, to social services and infrastructure. (3 credits)

Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: F2F - Afterschool 1xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Tuesday /6pm - 9pm
Location: RWU Campus, Providence
Provider-Suggested Sched Code: 15201

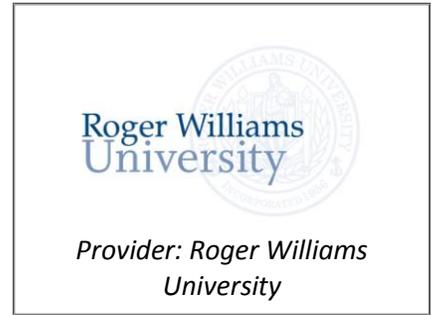


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Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: Virtual - Asynchronous
Semester: Fall 2016
Middle School Eligible: Yes
Day of Week / Time: Virtual - Asynchronous /
Location: Online
Provider-Suggested Sched Code: 15201

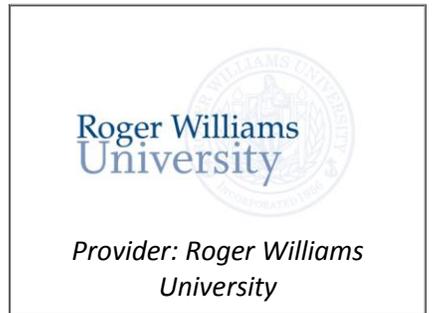


Foundations of Education

Category: Dual / Concurrent Credit - History & Social Sciences

Description: This course enables students to explore the profession and decide whether they want to become teachers. The curriculum examines historical, philosophical, and social issues of teaching and learning through selected readings, class discussions, and student research. This course includes a field experience in an urban public school. Students are required to write and present research on a current issue in education and to compile a "culture of the school" report based on their field experiences. (3 credits)

Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: F2F - Afterschool 1xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Monday /6pm - 9pm
Location: RWU Campus, Providence
Provider-Suggested Sched Code: 19151

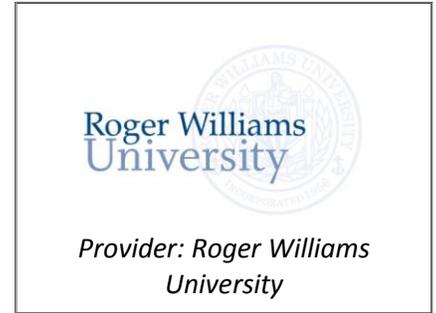


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Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: Virtual - Asynchronous
Semester: Fall 2016
Middle School Eligible: Yes
Day of Week / Time: Virtual - Asynchronous /
Location: Online
Provider-Suggested Sched Code: 19151

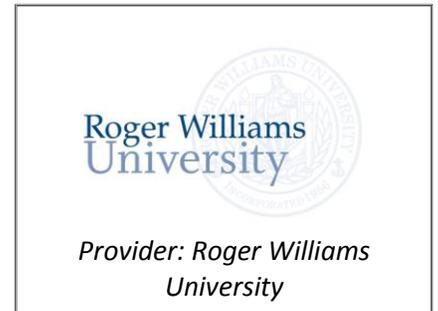


Nonprofit Management

Category: Dual / Concurrent Credit - History & Social Sciences

Description: This course provides students with an overview of the role of the nonprofit sector in the United States, as well as comprehensive exposure to the various elements of managing a non-profit organization. Governance, personnel, finance, planning, and service delivery will be examined and best practices located. Students emerge from the course better able to face the challenges of working in and managing a nonprofit organization. (3 credits)

Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: F2F - Afterschool 1xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Wednesday /6pm - 9pm
Location: RWU Campus, Providence
Provider-Suggested Sched Code: 15201

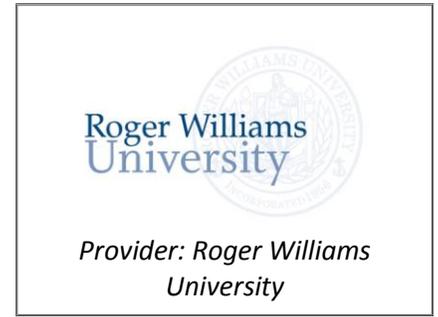


Nonprofit Management

Category: Dual / Concurrent Credit - History & Social Sciences

Description: This course provides students with an overview of the role of the nonprofit sector in the United States, as well as comprehensive exposure to the various elements of managing a non-profit organization. Governance, personnel, finance, planning, and service delivery will be examined and best practices located. Students emerge from the course better able to face the challenges of working in and managing a nonprofit organization. (3 credits)

Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: Virtual - Asynchronous
Semester: Fall 2016
Middle School Eligible: Yes
Day of Week / Time: Virtual - Asynchronous
Location: Online
Provider-Suggested Sched Code: 15201



AP Psychology

Category: Advanced Placement - History & Social Sciences

Description: AP Psychology introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, exposes students to each major subfield within psychology, and enables students to examine the methods that psychologists use in their science and practice.

Credential Opportunity: College Credit (With AP Test)
Prerequisites: Intro to Psychology
Scheduling Summary: Virtual - Asynchronous
Semester: Yearlong
Middle School Eligible: Yes
Day of Week / Time: Virtual - Asynchronous
Location: Google Classroom
Provider-Suggested Sched Code: 02203



AP Psychology

Category: Advanced Placement - History & Social Sciences

Description: AP Psychology introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, exposes students to each major subfield within psychology, and enables students to examine the methods that psychologists use in their science and practice.

Credential Opportunity: College Credit (with AP Test)

Prerequisites: AP Placement Criteria

Scheduling Summary: F2F - Weekend 1xWeek

Semester: Yearlong

Middle School Eligible: No

Day of Week / Time: Saturday 8:00am - Noon

Location: Times2 Academy, Providence

Provider-Suggested Sched Code: 04256



Provider: Times2Academy

MATHEMATICS

Applied Calculus

Category: Dual / Concurrent Credit - Mathematics

Description: Students study topics that include functions, models, and average rate of change, limits, instantaneous rates of change, the derivative, differentiation techniques, applications of the derivative, and a brief introduction to integration, Prerequisite(s): Precalculus or high school algebra II.

Credential Opportunity: Dual Credit

Prerequisites: Precalc/Algebra II

Scheduling Summary: F2F - Afterschool 1xWeek

Semester: Fall 2016

Middle School Eligible: No

Day of Week / Time: Mon/Fri 2:30pm -3:45pm

Location: SRU Campus, Newport

Provider-Suggested Sched Code: 02122



*Provider: Salve Regina
University*

Basic Statistics

Category: Dual / Concurrent Credit - Mathematics

Description: This course has an emphasize on descriptive statistics, probability, estimation, hypothesis testing, regression and correlation.

Credential Opportunity: Dual Credit

Prerequisites: None

Scheduling Summary: F2F - Afterschool 1xWeek

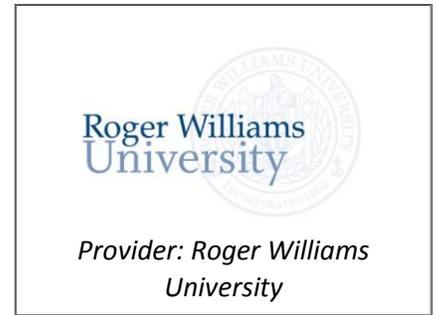
Semester: Fall 2016

Middle School Eligible: No

Day of Week / Time: Tuesday 6pm - 9pm

Location: RWU Campus, Providence

Provider-Suggested Sched Code: 02203



Basic Statistics

Category: Dual / Concurrent Credit - Mathematics

Description: This course has an emphasize on descriptive statistics, probability, estimation, hypothesis testing, regression and correlation.

Credential Opportunity: Dual Credit

Prerequisites: None

Scheduling Summary: Virtual - Asynchronous

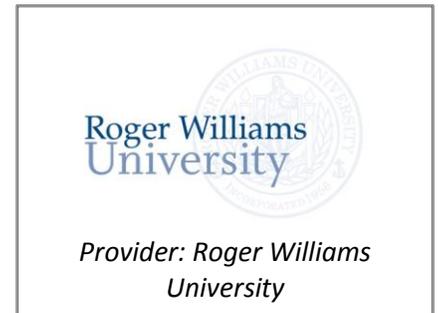
Semester: Fall 2016

Middle School Eligible: Yes

Day of Week / Time: Virtual - Asynchronous

Location: Online

Provider-Suggested Sched Code: 02203



Statistical Methods

Category: Dual / Concurrent Credit - Mathematics

Description: This course will address a broad spectrum of fundamental statistics concepts. The topics include exploratory data analysis, basic probability distributions, sampling distributions, interval estimations, hypothesis testing, and significance testing (P-Values) with single, paired and two-sample problems.

Credential Opportunity: Dual Credit

Prerequisites: Generally 11th and 12th grade students, with exceptions for highly recommended 10th graders

Scheduling Summary: F2F – School Day 2xWeek

Semester: Fall 2016

Middle School Eligible: No

Day of Week / Time: Tues/Thurs 8:00am - 9:15am

Location: SRU Campus, Newport

Provider-Suggested Sched Code: 02104



Linear Algebra

Category: Dual / Concurrent Credit - Mathematics

Description: This is a course in the foundations of mathematics and the ideas that underlie the science of computing, The topics that are explored are logical operations, relations and arguments, methods of proofs, set relations and operations and difference equations. Topics in number theory are also explored,

Credential Opportunity: Dual Credit

Prerequisites: Math202; Generally 11th and 12th grade students, with exceptions for highly recommended 10th graders

Scheduling Summary: F2F - Afterschool 1xWeek

Semester: Fall 2016

Middle School Eligible: No

Day of Week / Time: Tues/Thurs 3:45pm - 5:00pm

Location: SRU Campus, Newport

Provider-Suggested Sched Code: 02102



AP Statistics

Category: Advanced Placement - Mathematics

Description: AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The four main themes are Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. This course includes the use of technology, projects and laboratories, cooperative group problem solving, and writing as part of concept oriented instruction and assessment. This approach will allow students to build interdisciplinary connections with other subjects and with their world outside school.

Credential Opportunity: College Credit (With AP Test)

Prerequisites: Algebra II

Scheduling Summary: Virtual - Asynchronous

Semester: Yearlong

Middle School Eligible: Yes

Day of Week / Time: Virtual - Asynchronous

Location: Google Classroom

Provider-Suggested Sched Code: 04256



SCIENCE

General Biology I

Category: Dual / Concurrent Credit - Science

Description: This course introduces fundamental concepts in ecology and evolution, relationships within populations and communities in the biosphere, Laboratory exercises include the use of natural richness of the school's island geography and in-lab simulations, Ethical concerns related to resources and their care and distribution are discussed.

Credential Opportunity: Dual Credit

Prerequisites: Generally 11th and 12th grade students, with exceptions for highly recommended 10th graders

Scheduling Summary: F2F – School Day 3xWeek

Semester: Fall 2016

Middle School Eligible: No

Day of Week / Time: M/W/F Noon to 12:50 and lab Wednesday 3-6pm

Location: SRU Campus, Newport

Provider-Suggested Sched Code: 03052



EMT Basic

Category: Dual / Concurrent Credit - Science

Description: Students will learn Skills in Basic Ufe Support, Respiratory Emergencies, Trauma Emergencies, vehicle extrication, and a new section on Terrorism awareness as It pertains to EMS. There will also be sections on medication administration, use of Automated External Defibrillators, and ambulance operations. Students will also be required to document 8 hours of observation time in a hospital Emergency Room. (6 Credits)

Credential Opportunity: Dual Credit

Prerequisites: None

Scheduling Summary: F2F - Afterschool 2xWeek

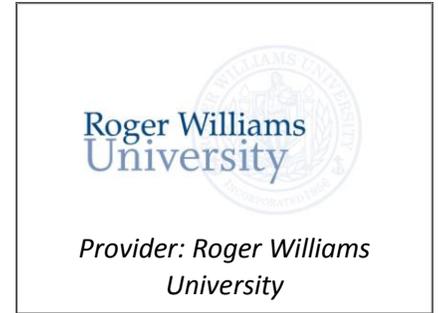
Semester: Fall 2016

Middle School Eligible: No

Day of Week / Time: Tues/Thurs /6pm - 10pm

Location: RWU Campus, Providence

Provider-Suggested Sched Code: 14055



Human Anatomy & Physiology I

Category: Dual / Concurrent Credit - Science

Description: A systematic study of the gross and microscopic anatomy of the human body and the function of its parts are explored in this course, Laboratory work includes dissections, microscopic examinations of structures and experiments in physiology. This sequence is for those in nursing. It is not appropriate, in and of itself, for those considering professional schools or graduate school in anatomy, physiology or development.

Credential Opportunity: Dual Credit

Prerequisites: Generally 11th and 12th grade students, with exceptions for highly recommended 10th graders

Scheduling Summary: F2F – School Day 3xWeek

Semester: Fall 2016

Middle School Eligible: No

Day of Week / Time: M/W/F 11:00am -11:50am and lab Wednesday 3:15pm-5:15pm

Location: SRU Campus, Newport

Provider-Suggested Sched Code: 03053

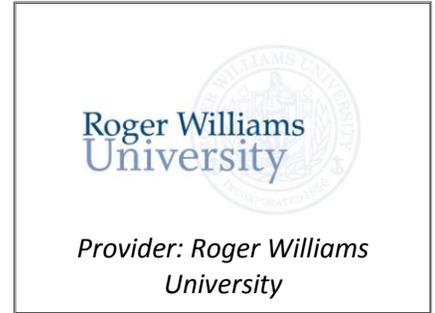


Intro to Public Health

Category: Dual / Concurrent Credit - Science

Description: Intro to Public Health introduces students who are currently practicing in health care fields to an overview of public health on a state and national level. Students will learn about the public health system, including infectious disease, chronic disease, occupational health, injury control, maternal and child health, regulation, behavioral health issues, surveillance, quality assurance, and policy. (3 credits)

Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: F2F - Afterschool 1xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Monday /6pm - 9pm
Location: RWU Campus, Providence
Provider-Suggested Sched Code: 14255

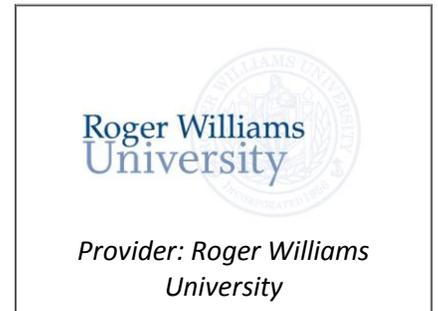


Intro to Public Health

Category: Dual / Concurrent Credit - Science

Description: Intro to Public Health introduces students who are currently practicing in health care fields to an overview of public health on a state and national level. Students will learn about the public health system, including infectious disease, chronic disease, occupational health, injury control, maternal and child health, regulation, behavioral health issues, surveillance, quality assurance, and policy. (3 credits)

Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: Virtual - Asynchronous
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Virtual - Asynchronous /
Location: Online
Provider-Suggested Sched Code: 14255



Prevention and Care of Athletics

Category: Advanced Secondary Credit - Science

Description: Students acquire a basic understanding of sports medicine. Topics include preventative techniques, protective strapping, basic anatomy, injury recognition and rehabilitation of athletic injuries.

Credential Opportunity: N/A
Prerequisites: None
Scheduling Summary: F2F - Weekend 1xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Saturday 8am - Noon
Location: Times2 Academy, Providence
Provider-Suggested Sched Code: 08017



AP Biology

Category: Advanced Placement - Science

Description: AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions.

Credential Opportunity: College Credit (with AP Test)
Prerequisites: AP Placement Criteria
Scheduling Summary: F2F - Weekend 1xWeek
Semester: Yearlong
Middle School Eligible: No
Day of Week / Time: Saturday 8am - Noon
Location: Classical High School
Provider-Suggested Sched Code: 03056



AP Chemistry

Category: Advanced Placement - Science

Description: The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, hermodynamics, and equilibrium.

Credential Opportunity: College Credit (with AP Test)

Prerequisites: AP Placement Criteria

Scheduling Summary: F2F - Weekend 1xWeek

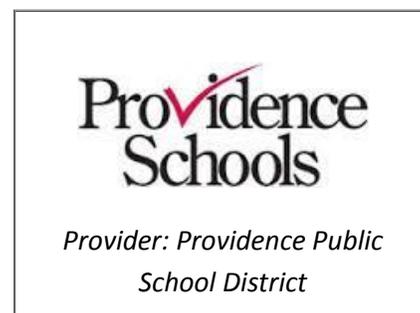
Semester: Yearlong

Middle School Eligible: No

Day of Week / Time: Saturday 8am - Noon

Location: Classical High School

Provider-Suggested Sched Code: 03106



Intro to Pharmacy

Category: Career Preparation - Science

Description: In today's world, the role of a pharmacist is rapidly changing. In addition to preparing and dispensing medicine, pharmacists increasingly take the lead on problem-solving health-epidemics, and on direct patient care. If you are interested in a future career as a pharmacist (or in biomedical science, immunology research, etc.), exposure to the factors covered in this course will more than prepare you for your next steps. You will conduct lab experiments, predict the effects of drug interactions on a robotic "dummy" and explore other fascinating topics with University of Rhode Island Professors, students and practitioners. Learn the basics in the state-of-the-art URI School of Pharmacy and gardens, visit important local companies like CVS and Amgen, and make important connections for your future career.

Credential Opportunity: N/A

Prerequisites: None

Scheduling Summary: F2F - Afterschool 1xWeek

Semester: Yearlong

Middle School Eligible: No

Day of Week / Time: Tuesday /3:30pm - 5:30pm

Location: URI School of Pharmacy

Provider-Suggested Sched Code: 14299



Community Boating Center: Sailing Through Science

Category: Advanced Secondary Credit - Science

Description: Combining on the water sailing with ten "Reach Initiative" STEM curriculum modules, students will learn not only how to sail, but how a sailboat works! In this program students will sail on 22 foot sailboats and spend classroom time learning about the factors which make sailing possible including wind, buoyancy, sail area and perimeter, and simple machines. They will also study the Rhode Island's waterfront environment by testing water quality, and learning about marine debris. More advanced concepts of land and sea breezes, wind power, and underwater exploration round out the course.

Credential Opportunity: N/A

Prerequisites: None

Scheduling Summary: F2F - Afterschool 2xWeek

Semester: Fall 2016

Middle School Eligible: No

Day of Week / Time: Mon/Fri /3:30pm - 5pm

Location: at Juanita Sanchez Education Complex and will transition to the Boating Center located at 109 India Street in Providence

Provider-Suggested Sched Code: 03162



Global Warming - Climate Change & the New Weather

Category: Advanced Secondary Credit - Science

Description: Learn how global warming is changing the earth's climatic conditions and how the changing climate is creating more extreme weather events here and everywhere else. In studying global warming, you will gain comprehensive knowledge and understanding of carbon cycles, water cycles and the macro forces that shape regional and global weather. Hands-on experiments, habitat observation, "science behind the movie" viewing, interviews with local experts/multiple POVs, independent investigations and production of learnings and work -- as video, physical or virtual models, Power-Points, or your own invention -- will help you better understand one of the critical issues of our time!

Credential Opportunity: N/A

Prerequisites: None

Scheduling Summary: F2F - Afterschool 1xWeek

Semester: Fall 2016

Middle School Eligible: No

Day of Week / Time: Mon/Wed 4pm - 6pm

Location: Riversedge Green Design Lab, Woonsocket

Provider-Suggested Sched Code: 03007



Topics in Public Health/Advocacy

Category: Advanced Secondary Credit - Science

Description: Public Health and Advocacy offers everything you wanted to know about health and much more! Through the shared expertise and experiences of practicing pediatricians, EMTs and clinicians at the forefront of community medicine, you will engage in eye-opening sessions about the most important public health issues of our times. Sessions explore Nutrition, Physical Fitness, Sexuality, Mental Health, Health Careers and others, with ample opportunity to explore how they relate your lives, neighborhoods, cities and regions. Field exploration and independent research more prepare you to become a leading voice now, and health practitioner in your future career. Make a difference, improve a life!

Credential Opportunity: N/A
Prerequisites: None
Scheduling Summary: F2F - Afterschool 1xWeek
Semester: Yearlong
Middle School Eligible: No
Day of Week / Time: Wednesday 3:30pm - 5:30pm
Location: Brown University, School of Public Health
Provider-Suggested Sched Code: 08051



VISUAL & PERFORMING ARTS

Digital Photography

Category: Dual / Concurrent Credit - Engineering & Technology

Description: 2 Class Hours 4 Lab Hours 4 Quarter Credit Hours | GMW 100
 This course introduces GMW students to the technology and techniques of digital image creation using SLR cameras. Starting with “what is digital” theory and principles, this course will train students in basic digital still camera photography, composition, and storage technique. It will then continue with each student shooting and editing their own photo essay, to be used as a first portfolio piece.

Credential Opportunity: Dual Credit
Prerequisites: None
Scheduling Summary: F2F - Afterschool 2xWeek
Semester: Fall Quarter (October-December)
Middle School Eligible: No
Day of Week / Time: Mon/Wed /3:05pm - 5:35pm
Location: One New England Tech Blvd., East Greenwich, RI 02818
Provider-Suggested Sched Code: 05167



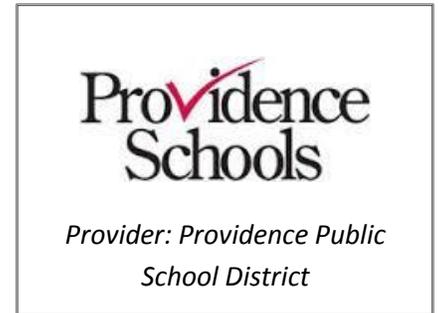
WORLD LANGUAGE

AP Spanish Language and Culture

Category: Advanced Placement - World Languages & Cultures

Description: The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

Credential Opportunity:	College Credit (with AP Test)
Prerequisites:	Spanish III or AP Placement Criteria
Scheduling Summary:	F2F - Weekend 1xWeek
Semester:	Yearlong
Middle School Eligible:	No
Day of Week / Time:	Saturday 8am - Noon
Location:	Classical High School
Provider-Suggested Sched Code:	06112



ADDITIONAL OPPORTUNITIES

Applied Career Investigations I

Category: Career Preparation - Additional Opportunities

Description: Think you want to be a doctor, game designer or community planner? Find out what it's like and what it's going to take to get there in CI I & II. Work with a small group of peers, and your Industry Mentor, to create unique original work products that separate you from the pack. Individualized career boosting support, and investigation of all RI has to offer in workforce development, and your field of choice, followed by live worksite experiences, enable unusually deep exploration. By the end of the year, you will know for sure if this is the career for you, and exactly how to pursue it.

Credential Opportunity: N/A
Prerequisites: None
Scheduling Summary: F2F - Afterschool 1xWeek
Semester: Fall 2016
Middle School Eligible: No
Day of Week / Time: Monday 2:30pm - 4:30pm
Location: Woonsocket
Provider-Suggested Sched Code: 22997



Provider: Riversedge

END OF CATALOG

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