

## Young Scholars Discovery 2014—Course Descriptions

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### **EXST010: An Introduction to Public Speaking and Debate**

You have ideas. You have things to say. Wouldn't you want to master presenting them? If so, join us for an exciting two week adventure in which you will learn to speak and argue for your position in front of an audience. You will learn how to prepare, organize and deliver a speech or a presentation for a topic of your choice. You will practice delivery skills and interacting with your audience and master the basics of working with visual aids and incorporating technology into a presentation.

We will make things ever more exciting by teaching you to argue and debate. Just so that next time you have a request or you want to influence your parents or your friends, you will know how to make a convincing argument. Throughout the program, you will learn what an argument is, how to develop one, and how to argue with another person in a structured format such as a debate. Your experience doesn't stop here. Throughout these two weeks you will receive personalized attention by working not only with the course instructor but also with student teaching assistants with experience in public speaking and a lot of knowledge to share. You will benefit from the vast resources the university campus has to offer, enhance your research skills, and meet professionals who work in communication-related positions in the DC area. Are you ready to let your voice be heard? (Enrollment limit: 20).

### **EXST011: Designing Your Own Business**

This multi-disciplinary course aims to teach students the basics of the business, strategy, and leadership skills needed to launch and manage new ventures. Topics include learning the fundamentals of entrepreneurship, how to assess the feasibility of a new venture, as well as how to apply best practices for planning, launching, and managing new companies. Students will discuss a wide range of issues of importance and concern to entrepreneurs, as well as learn to recognize opportunities, assess the skills and talents of successful entrepreneurs, and learn models and "rules of thumb" to help them navigate uncertainty. The opportunities and challenges of entrepreneurship are explored. (Enrollment limit: 20).

#### Course Goals are as follows:

- To understand what it means to be an entrepreneur and a leader
- To explore the characteristics and motivations that typically drive entrepreneurs
- To be able to identify and evaluate opportunities for new ventures
- To know how to gather the required resources to convert opportunities into new ventures
- To create effective executive summaries and presentations

### **EXST 012: Learning About the United Nations**

Students in this program will be given an exciting and experiential opportunity to learn about the United Nations. Through the study of deliberative bodies in the United Nations and the simulation of multilateral diplomacy, students will gain an in-depth understanding for current events and historical precedents on international issues. Students will use critical thinking skills and effective communication to debate complex problems related to international policy. Taking on the role as "diplomats", students will familiarize themselves with a country's specific interests through readings, research, and embassy visits. In these

diplomatic roles, students will also be expected to learn the rules and practices of their assigned committees, and ultimately present a position paper for the country they are representing. (Enrollment limit: 20).

#### **EXST014: Discovering Architecture**

Have you ever thought about designing buildings, bridges, or parks, but not really sure how to get started? You can discover many of the possibilities in this course. Designed to explore possible careers in architecture, this course allows you to learn about the different opportunities that exist within the field. Participants enrolled in this course should expect to purchase drawing supplies and tools, in addition to any required text books. (Enrollment limit: 20).

#### **EXST015: Greek and Latin Word Roots**

Students will study the Greek and Latin roots of English. The goal is to improve your vocabulary and thus your reading comprehension, composition skills, and PSAT/SAT scores. Over half the words in English are derived from Latin; in science and technology, over 90%. Latin and Greek aren't dead. You use them every time you use English.

Even university students preparing for law, ministry, medicine and politics need to know Greek and Latin roots. Many of the terms of law (e.g. habeas corpus) and medicine (e.g. hypochondria) derive from Greek and Latin. This course will help you learn clarity and precision of expression in speaking and writing, develop analytical and problem-solving skills, and have a broadly based intellectual foundation for a lifetime of careers. (Enrollment limit: 20).

#### **EXST016: Science Detectives: An Introduction to Forensic Science**

A crime has been committed but the culprit is long gone... What now? Learn how modern science (biology, chemistry, and physics) is used to figure out what happened and who is responsible. Students in this program will learn a variety of techniques for analysis and identification of crime scene evidence, such as blood, DNA, fibers, hairs, ink, fingerprints, and skeletal remains. They will then apply these skills to solve a complex crime. In addition, students will learn about the diverse science professions that make up the interdisciplinary field of forensic science. (Enrollment limit: 20).