

# UPDATED INTERSESSION 2018

## CATALOG OF OFFERINGS

### NOTE ON INTERSESSION COSTS:

Fee waivers and/or reduction in costs for sessions may be available to students who are eligible for financial aid. Students with demonstrated need (those paying a reduced IMSA student fee or otherwise affected by extenuating circumstances as determined by the Principal) may be eligible for aid to offset intersession costs. If you feel you qualify, please stop by the Principal's Office and speak with Colleen Geihm. Please keep in mind, only **one** scholarship per student will be awarded over the three year period for an out-of-state trip.

**CLOSED SESSIONS** are not open for enrollment at this time. These sessions were previously offered to eligible students (e.g. some sessions were restricted due to stated prerequisites). **Students participating in a CLOSED SESSION do not need to complete the online registration form.**

The following intersession experience will be required for some students. Students will be notified of required participation prior to Intersession week. This experience will not be listed as a choice for students on the intersession request form, but is offered in the catalog for informational purposes only.

### **Mathematics Support – CLOSED SESSION**

Part-Time AM 8:30-11:30 am Monday – Friday

This session is designed to help students identify factors that are impeding their mathematical success. We will work to identify and support areas of weakness (mathematical content needs will be individually assessed and addressed), provide opportunities for students to have fun in math, and help students formulate a written plan of study habits and strategies that can be monitored for effectiveness in the upcoming semester/course.

**Prerequisites:** Prerequisite(s) • Any student who earned a C- or D in Geometry, MI1/2, MI2, MI3, or a D in MI4 • Any student who earned a C in these courses will be evaluated case-by-case for possible requirement to take this intersession.

Note: A student may be moved out of another session into this one if the student's grade drops to the aforementioned level between the time that selection for this intersession is made and the end of the semester.

**Cost:** None

Janice Krouse Current Staff [krouse@imsa.edu](mailto:krouse@imsa.edu)

### **FULL TIME SESSIONS, Morning / Afternoon**

**8:30 AM – 11:30 AM, 1:00 PM – 4:00 PM**

### **Chess with a US Champion Redux**

Monday, Tuesday, Wednesday; 8:30-11:30 am and 1:00-4:00pm, Thursday, Friday: 8:30-noon, 12:30- 3:00pm  
2008 US Chess Champion Yury Shulman has graciously agreed to repeat his Intersession from 2017.

Here is an opportunity for you to learn tactics and strategies from chess grandmaster that will help you to improve your skills as a chess player. During this Intersession, you will also have a chance to play games against others in attendance (possibly even against Grandmaster Shulman) and then have him analyze some of these games. During times that we are not working with Grandmaster Shulman, we may take breaks from playing and analyzing standard chess to play popular variants of chess, such as bughouse or Chess 960. At present, in order to keep the cost for this intersession down, the plan is to have Grandmaster Shulman on campus on Friday.

**Prerequisites:** None, but it is highly recommended that all participants know the rules of chess and are not new to the game

**Cost:** Maximum of \$50.00 per student to work one day with Grandmaster Shulman. (Possibly two days if we reach enrollment of 20 students).

Donald Porzio Alumni Staff [dtpprof@comcast.net](mailto:dtpprof@comcast.net)  
Zhaozhi (George) Li Current Student

### **EleMENT – CLOSED SESSION**

Full-Time 8:30-11:30 am AND 1:00-4:00 pm Monday - Friday

eleMENT is a student-led entrepreneurship program designed to introduce students to concepts in entrepreneurship. Typically, we take sophomores down to the startup incubator, 1871, on three separate I-Days and arrange hands-on activities to teach them about the build-measure-learn cycle. This Intersession is designed to provide the same opportunity to sophomores who are not able to participate in eleMENT because of scheduling conflicts. Students will learn about the Build-Measure-Learn cycle, spend time participating in focus groups with startups, talk to entrepreneurs in 1871, and participate in a mini-hackathon on the last day.

**Prerequisites:** None

**Cost:** None

**Britta McKenna Current Staff** [bmckenna@imsa.edu](mailto:bmckenna@imsa.edu)

### **Health Care Experience at Rush University**

Full-Time 8:30-11:30 am AND 1:00-4:00 pm Monday – Friday

This is a week-long, all-day dynamic session held at Chicago's Rush University Medical Center that will expose participants to a variety of health care fields, including medicine, nursing, and other allied health programs. Participants will learn about what it is like to train for a career in health care and what it is like to practice, as well as the context of community in which it is practiced. Mock clinical cases, with participants playing the role of health care providers, serve as the framework for the week's activities.

**Prerequisites:** Senior level students will have priority

**Cost:** None

**Isolina Rossi Alumni Class of 2006** [isolina\\_rossi@rush.edu](mailto:isolina_rossi@rush.edu)

**IMSA Faculty/Staff Sponsor**

### **IMSA-PTHS Student Exchange – CLOSED SESSION**

Full-Time 8:30-11:30 am AND 1:00-4:00 pm Monday - Friday

Intersession coincides with the second week of the three-week IMSA-PTHS Student Exchange, in which IMSA students host peers from St. Petersburg's Lyceum Physical-Technical High School. During Intersession, IMSA and PTHS students will participate in several intersessions, tour the Chicagoland area (Argonne, Fermilab, and Chicago museums), and the experience the richness of residential life at IMSA.

**Prerequisites:** This intersession is limited to pre-selected students enrolled in Russian II or Russian III

**Cost:** None

**Paavo Husen Current Faculty** [paavo@imsa.edu](mailto:paavo@imsa.edu)

**Carlo Ordonez Current Faculty** [cordonez@imsa.edu](mailto:cordonez@imsa.edu)

### **Martial Arts Training Camp**

Full-Time 8:30-11:30 am AND 1:00-4:00 pm Monday - Friday

This Intersession is designed for anyone with an interest in martial arts, regardless of previous experience. While the course will focus primarily on teaching the techniques and history of Matsubayashi Shorin-Ryu, techniques and ideas from other styles of martial arts may be included. Traditional techniques, kata (traditional set patterns of movements), kumite (sparring), and basic self-defense will be taught. Examples of the martial arts in movies will also be explored and discussed. Additionally, there will be a self-defense seminar held at IMSA by Sensei Wyman Clark, 2nd degree black belt, and an tentative optional dinner outing. The Intersession will conclude with a promotion test and friendly tournament.

**Prerequisites:** Although no previous experience in martial arts is necessary, students must have a basic level of physical endurance in order to complete the workouts and exercises each morning. Additionally, students will be required to wear a traditional white uniform to the classes, which will be available for purchase prior to the start of intersession

**Cost:** The costs associated with this Intersession will be: \$35.00 for a traditional, white uniform (mandatory, unless the student owns one), \$3.00 for a mouth guard, \$8 for a cup & supporter (men only), a \$20.00 equipment fee (mandatory), a \$35.00 promotion test fee (optional) and a \$6.55 processing fee (charged by Eventbrite). The total estimated costs

are \$58.00 to \$99.55 per female participant and \$66.00 to \$107.55 per male participant. Students are responsible for covering these costs

**Cynthia Nguyen Dang, MS, MBA Alumni Class of 2003** [karatekid85@gmail.com](mailto:karatekid85@gmail.com)  
**IMSA Faculty/Staff Sponsor**

**Robotics Engineering: Designing and Building a Competitive Robot for FRC**

Full-Time 8:30-11:30 am AND 1:00-4:00 pm Monday – Friday

The FIRST Robotics Competition (FRC) is an annual international competition where IMSA partners with mentors to design, build, and program a robot for the competition. Intersession week is the first week after the challenge is announced and an ideal time to design and begin building the robot. In the Intersession, students will strategically analyze the competition to distill optimal design concepts. Utilizing these concepts, they will collaboratively design, draft, and prototype multiple robots and components in the search for an optimal design. Students are encouraged to participate in the rest of the build sessions following Intersession.

**Prerequisites:** None outside of a willingness to learn about robotics and the design and build process

**Cost:** None

**Dane Christianson Current Staff** [dchristianson@imsa.edu](mailto:dchristianson@imsa.edu)

**Rafael Gonzalez Current Staff** [rgonzalez1@imsa.edu](mailto:rgonzalez1@imsa.edu)

**SIR – CLOSED SESSION**

Full-Time 8:30-11:30 am AND 1:00-4:00 pm Monday – Friday

This intersession enables students currently in the SIR program to use the week to work full time with their Research Mentor in their SIR lab.

**Prerequisites:** Students wishing to participate in SIR must sign up in the SIR office prior to November 7, 2017

**Cost:** None

**Sanza Kazadi Current Staff** [skazadi@imsa.edu](mailto:skazadi@imsa.edu)

**Sovereign of the Seas: the struggle for the World's Oceans, 1805-1945**

Full-Time 8:30-11:30 am AND 1:00-4:00 pm Monday - Friday

This is a full-time intersession which, through war games, films, readings, field trips, and lectures, traces the naval history of the world from Trafalgar in 1805 to the end of the Battle of the Atlantic in 1945.

**Prerequisites:** None

**Cost:** \$5.00 ticket for entry to see U505 submarine exhibit at the Museum of Science and Industry

**Claiborne Skinner Current Faculty** [skinner@imsa.edu](mailto:skinner@imsa.edu)

**Straight Outta IMSA: The Remix**

Full-Time 8:30-11:30 am AND 1:00-4:00 pm Monday - Friday

Students will design, film, and edit their own music video from previously made music or music that they create. They have access to the green screen and all cinema and video cameras and are encouraged to be creative. Students will also be encouraged to make their own music.

**Prerequisites:** None

**Cost:** None

**Bill McGrail Current Staff** [wmcgl@imsa.edu](mailto:wmcgl@imsa.edu)

**FULL TIME SESSION, Afternoon / Evening**  
**6:30 – 9:30 pm Sunday – Thursday, 1:00 PM – 4:00 PM Monday – Friday**

**Equality**

Full-Time – **See times above**

Equality - Ask an American citizen about the basic values of the United States, and the word will always come up: equality. We use the word all the time, but what does it really mean? Has it always meant the same thing? To whom does it apply? In this intersession, we will explore the evolution of the idea of equality in the modern period, and the application of the concept to issues of class, wealth, race, gender, sexual orientation, and age. We will also discuss contemporary issues of equality and inequality that divide the nation, and the world.

**Prerequisites:** None

**Cost:** None

**Robert Kiely Current Faculty** [oldstuff@imsa.edu](mailto:oldstuff@imsa.edu)

**PART TIME SESSIONS, Morning  
8:30 AM – 11:30 AM**

**A Germ's Story: Pathogenesis in Pictures**

Part-Time AM 8:30-11:30 am Monday - Friday

This intersession aims to explore ways of communicating complex, biological processes using tools taken from graphic novels and visual rhetoric. Day one will be used to explore different varieties of visual storytelling. Day two will examine historical and contemporary depictions of disease. Day three students will conduct and participate in a storytelling workshop. Day four students will work in groups to develop a visual representation that relates to the course work. Day five students will present and critique the class projects.

**Prerequisites:** None

**Cost:** None

**Michael Dean Current Faculty** [mdean@imsa.edu](mailto:mdean@imsa.edu)  
**Crystal Randall Current Faculty** [crandall@imsa.edu](mailto:crandall@imsa.edu)

**Arrangement and Orchestration**

Part-Time AM 8:30-11:30 am Monday - Friday

Very few songs are written for the instruments or performers you actually need. Most of the time, you need to adjust the music to fit the instruments, players, and occasion. But arrangement of a piece is more than just transcribing notes; every arrangement is a composition in itself, requiring just as much skill and care as the original. Students in this course will learn about the craft of arrangement and orchestration, how to use the qualities of different instruments to their best potential, and how to adjust the harmonic or rhythmic structure of a song to suit their needs. In this course, students will create, perform, and record an arrangement of an existing piece as they learn about the often-neglected art of arrangement.

**Prerequisites:** Proficiency with instrument (which may be voice) and basic knowledge of music notation, such as key signatures and time signatures, are required

**Cost:** None

**Peter Dong Current Faculty** [pdong@imsa.edu](mailto:pdong@imsa.edu)

**Balsa Bridge Design, Building, and Testing**

Part-Time AM 8:30-11:30 am Monday - Friday

Students will learn basic design principles and will design, build, and test their bridges. On day one, students will design their bridge. They will then spend days 2-4 building their bridge. On day 5 bridges will be evaluated in two categories: aesthetics and efficiency (strength). Students who do not want to test their bridge on day 5 may choose to do so and keep their bridge (testing the bridge involved applying weight until the bridge breaks)

**Prerequisites:** None

**Cost:** None

**Dave DeVol Current Faculty** [ddevol@imsa.edu](mailto:ddevol@imsa.edu)

### **Beginning European Knitting**

Part-Time AM 8:30-11:30 am Monday - Friday

Do you feel stressed thinking about the college application process? Do you want to learn how to relax? Here is your chance! Sign up for the Beginning European Knitting intersession to learn basic knitting skills in the European (or "continental") way. You also will learn how to read and follow knitting patterns and by the end of the intersession you will be able to knit a scarf for your favorite CAC or a teacher!

**Prerequisites:** This intersession is open only to NON-experienced knitters. Knitters who know how to knit in the American way may not sign up.

**Cost:** \$10.00 invested by each participant in one pair of knitting needles (sizes 5, 6, or 7) and a skein of yarn that matches the size of the needles. Both are available at any craft store. Please bring needles and yarn to the first session.

**Julia Husen Current Staff** [ura@imsa.edu](mailto:ura@imsa.edu)

### **Codathon 2018**

Part-Time AM 8:30-11:30 am Monday - Friday

Can't get enough of coding? Join us to test your skills on algorithmic thinking, dissecting a problem statement and coding a solution. This intersession will have you working collaboratively to solve problems and come up with a solution. This is a great way to spend time with a lot of other smart, interesting techies while putting your skills towards learning to solve problems. You will find mix set of questions ranging from easy to medium difficulty.

**Prerequisites:** Some programming experience required (CSI, OOP, Web Tech or other)

**Cost:** None

**Namrata Pandya Current Faculty** [npandya@imsa.edu](mailto:npandya@imsa.edu)

### **Engineering--The Basement Tapes**

Part-Time AM 8:30-11:30 am Monday - Friday

Dive into the classic projects of Engineering classes of years past! Groups of students will work on projects to build and test an apparatus to perform a specific task. Introductory to each project will be a brief lesson on the principles of science underlying the construction and function of the apparatus. Concluding each project will be a contest to test each apparatus. 2 or 3 projects will be constructed during the Intersession. The projects will be taken from the set of past projects that were used in Engineering and Applied Mechanics--current Engineering projects will not be used.

**Prerequisites:** None

**Cost:** None

**Peter Clancy Current Faculty** [pclancy@imsa.edu](mailto:pclancy@imsa.edu)

### **Graphic Design Basics**

Part-Time AM 8:30-11:30 am Monday - Friday

During this intersession we will be learning and creating a number of different designs using the Adobe Creative Cloud. Students will learn: about copyrights, how to create personal logos, manipulate photographs, and layout posters and pages. Students learning Adobe CC will be learning to use the programs in order to enhance school work, and future presentations.

**Prerequisites:** None

**Cost:** Each student will need a flash drive of 8GB to save and store work

**Joyce Symoniak Current Faculty** [jsymoniak@imsa.edu](mailto:jsymoniak@imsa.edu)

### **History, Culture, and Science of Soccer**

Part-Time AM 8:30-11:30 am Monday - Friday

In this intersession we will be focusing on one of, if not the most popular sport in the world, soccer. We will specifically be focusing on the origins of soccer, or futbol as it is known elsewhere, as well as the culture and science behind this sport. By investigating the culture of soccer worldwide, we get a greater understanding of the game and its importance to different cultures. Looking at the scientific side of the sport, we will be investigating specific types of plays in soccer, such as curving the ball, knuckling the ball, and even the general science as to how the game works. In order to fully

understand the scientific side, we may watch how the game is played, specific instances where science has had an impact, such as Roberto Carlos' freekick, and attempt to recreate specific parts of the game of soccer to fully understand the science behind it.

**Prerequisites:** None

**Cost:** None

**Daniel Talancon** IMSA Coach [dtalancon7@gmail.com](mailto:dtalancon7@gmail.com)

**Matthew Gombar** Current Student

### **How You Can Use Math to Save the World: Rethinking Choosing a Major, a Career, or a Charity**

Part-Time AM 8:30-11:30 am Monday - Friday

How can we make the world a better place? How do we define "effective" in the context of these efforts? Most of us will spend at least 4 years in college, more than 80,000 hours in a career, and will likely earn between \$2 or 3 million dollars over our lifetimes. These are significant resources that can be leveraged to have a \*profound\* impact on the world. In this class, we will be discussing the application of rationality and math to decision making, specifically choosing a major and a career. In addition, we will also be introducing the concept of "effective altruism" — a new philanthropic philosophy with the primary objective of "doing the most good".

**Prerequisites:** A desire to make the world better

**Cost:** Approximately \$11.00 for the book - *Doing Good Better* by Will MacAskill ([https://www.amazon.com/Doing-Good-Better-Effective-Altruism/dp/1592409660/ref=tmm\\_pap\\_swatch\\_0?encoding=UTF8&qid=&sr=](https://www.amazon.com/Doing-Good-Better-Effective-Altruism/dp/1592409660/ref=tmm_pap_swatch_0?encoding=UTF8&qid=&sr=))

**Andrew Barber** Alumni Student Class of 2001 [abarber1@ucsc.edu](mailto:abarber1@ucsc.edu)

**IMSA Faculty/ Staff Sponsor**

### **Mathematica!**

Part-Time AM 8:30-11:30 am Monday - Friday

Make great graphs! Solve difficult equations! Animations! Data analysis! Calculus! Chemical molecules! Maps! And lots more! Mathematica is a large software program that is widely used for many purposes. We'll start at the beginning with tutorials and the help system, but participants may work on their own projects, depending on their abilities and interests. Other possible topics include image processing, artificial intelligence, 3D printing, etc. No previous experience with Mathematica is required. Students will be expected to work independently at times.

**Prerequisites:** Completion of MI III or higher level core math course

**Cost:** None

**Ruth Dover** Current Faculty [dover@imsa.edu](mailto:dover@imsa.edu)

**Shyam Sai** Current Student

### **Microsoft Office Excel: 0 to 100 in 5 days**

Part-Time AM 8:30-11:30 am Monday - Friday

This course is designed for students who wish to gain a foundational understanding of Microsoft Office Excel. The Microsoft Office Suite is utilized across businesses, schools, universities, and beyond. Gaining a strong understanding of Microsoft Excel is especially important at present, as data-centered decisions are driving innovation and advancement. The skills you will learn in this course are incredibly important in both college and your future careers. Students will be able to: perform calculations, modify a worksheet, format a worksheet, print workbooks, manage workbooks, customize the Excel environment, create advanced formulas, analyze data using functions and conditional formatting, organize and analyze datasets and tables, visualize data by using basic charts, analyze data by using Pivot Tables, slicers, and Pivot Charts.

**Prerequisites:** Basic understanding of the Microsoft Office Suite

**Cost:** \$41.00 for an Excel workbook you keep, and CD with essential course files

**Megan Scherer** Current Staff [mscherer@imsa.edu](mailto:mscherer@imsa.edu)

### **Music Performance! Contemporary, Classical and Broadway!**

Part-Time AM 8:30-11:30 am Monday - Friday

Vocalists and Instrumentalists needed. The vocal track will include working on solo and ensemble pieces from the musical theatre repertoire. Students will be introduced to basic acting and character study techniques that aid the singing-actor on stage. The instrumental track will include working on solo and ensemble pieces from Classical and Contemporary (Broadway and Pop) literature. Music will be provided, however students may also work on literature of their choice. Pianists will work on solo literature as well as may have the opportunity to accompany vocal or instrumental soloists. All participants will hone performance skills through practice, dialogue and individualized coaching. Tips for professional performance techniques will be discussed. Students will have the opportunity for private lessons as well as master classes throughout the week. The goal will be a performance on Friday at the IMSA Art Exhibit. If you are currently enrolled in a music course, this could be an opportunity to prepare music for the IHSA Solo/Ensemble contest and/or future concerts.

**Prerequisites:** Intermediate performance ability

**Cost:** None

**Emily Sites and Mary Beth McCarthy Current Faculty** [esites@imsa.edu](mailto:esites@imsa.edu)/[mmccarthy@imsa.edu](mailto:mmccarthy@imsa.edu)

### **Nuclear Astrophysics**

Part-Time AM 8:30-11:30 am Monday - Friday

Carl Sagan once said "If you want to make an apple pie from scratch, you must first create the universe." Everything around us was once formed through nuclear processes in stellar environments. Nuclear astrophysics studies nuclei too small to see, to learn about stars we can't visit. In this intersession you'll learn about the chemical evolution of the universe, current research and modern uses of nuclear science in society. Participants will also learn to solder and build their own Geiger Counter to be able to detect radiation from terrestrial and cosmic sources. Materials provided by JINA-CEE, and NSF Physics Frontier Center.

**Prerequisites:** None

**Cost:** None

**Micha Kilburn Alumni Student Class of 1995** [mkilburn@nd.edu](mailto:mkilburn@nd.edu)

**IMSA Faculty/Staff Sponsor**

### **QuakeLabs: A Seismic Odyssey**

Part-Time PM 8:30-11:30 am Monday - Friday

The Norse called them the thrashings of the bound god Loki. The Romans attributed them to strikes of Neptune's trident. The Japanese blamed a giant catfish named Namazu. While we might know the scientific causes of earthquakes now, many cities are still dangerously underprepared for these natural disasters. Students will begin this Intersession by examining many of these cities, analyzing the flaws and weaknesses with their disaster relief plans. Drawing upon this analysis, students will draft their own disaster relief plans for a model city, and put those plans to the test in the final tabletop simulation. From crafting responses for the mayor of the model city to working with its utility companies to writing press releases, students will simultaneously build long-term infrastructure and form rapid responses, all culminating in the simulated test of their week's work. By the end of the week, they will have put their skills of critical analysis and brainstorming to the test and will understand what being prepared for natural disasters really means.

**Prerequisites:** None

**Cost:** None

**Evan Sun Alumni Class of 2017** [ews170030@utdallas.edu](mailto:ews170030@utdallas.edu)

**Ben Cooper Alumni Class of 2016** [benjamin.r.cooper@vanderbilt.edu](mailto:benjamin.r.cooper@vanderbilt.edu)

**Heidi Dong Alumni Class of 2016** [heidi.dong@yale.edu](mailto:heidi.dong@yale.edu)

**IMSA Faculty/Staff Sponsor**

### **Real World Consulting – CLOSED SESSION**

Part-Time AM 8:30-11:30 am Monday - Friday

Inventor Leonard Lasko has over 1,000 inventions. As your client, help Leonard determine the marketability and patentability of his products. This is real consulting, guided by TALENT. Few students have the opportunity to conduct market and patent research to make recommendations on the production and placement of products. Be the first.

**Prerequisites:** TALENT members only

**Cost:** None

**Carl Heine Current Staff** [heine@imsa.edu](mailto:heine@imsa.edu)

**SIR – CLOSED SESSION**

Part-Time AM 8:30-11:30 am Monday - Friday

This intersession enables students currently in the SIR program to use the week to work full time with their Research Mentor in their SIR lab.

**Prerequisites:** Students wishing to participate in SIR must sign up in the SIR office prior to November 7, 2017

**Cost:** None

**Sanza Kazadi Current Staff** [skazadi@imsa.edu](mailto:skazadi@imsa.edu)

**Swimming for a Lifetime of Fitness**

Part-Time AM 8:30-11:30 am Monday - Friday

Students will meet in the classroom to watch video of proper technique for the four competition strokes and two survival strokes. Then we will head into the pool to practice these techniques.

**Prerequisites:** None

**Cost:** None

**Brooke Schmidt Current Faculty** [bschmidt@imsa.edu](mailto:bschmidt@imsa.edu)  
Lifeguard

**The Start of it All: Thucydides Peloponnesian War**

Part-Time AM 8:30-11:30 am Monday - Friday

This half-time intersession will read the entirety of Thucydides master work, The Peloponnesian War. Without doubt the work is considered to be the first real History written in the West and the first work of International Relations. It remains relevant in that it still comes up in conversation and policy debate. Recently a Harvard author used it as the basis for a thesis in his "The Thucydides Trap." The class will assign books before break and in class participants will engage in discussion of the many events and meanings. The instructor will add clarity on the military, political and economic background. Books provided as needed.

**Prerequisites:** None

**Cost:** None

**Lee Eysturlid Current Faculty** [leysturlid@imsa.edu](mailto:leysturlid@imsa.edu)

**"Timey-Wimey Stuff:" History and Philosophy in Doctor Who**

Part-Time AM 8:30-11:30 am Monday - Friday

Using both classic and new Doctor Who as a back drop, students will learn about science, philosophy, and history. We will explore several particular themes including the show's producers' response to current events, the influence of historical approaches on the show's construction, the Doctor's ethics, and the philosophy of "reverse causation." Depending on the student, the reading could be slightly more than 30 minutes over the four nights.

**Prerequisites:** Have access to a copy of *Dr. Who and Philosophy: Bigger on the Inside* by Courtland Lewis and Paula Smithka

**Cost:** Approximately \$15.00 if students purchase the book

**Eric Smith Current Faculty** [esmith@imsa.edu](mailto:esmith@imsa.edu)

**Who wants to be a Millionaire?**

Part-Time AM 8:30-11:30 am Monday - Friday

As a parent of two young adult children, I have spent over 40 years saving and investing money for their development, our retirement, and the future well being of our family. Young people today have a great asset on their side- that is TIME! Planning and making sound financial decisions over an extended period of time can make for a comfortable stress free lifestyle. During this Intersession we will touch on the basics of saving, investing, compounding, stocks, bonds, retirement account options, use of credit, mortgage application, and much much more. I will be presenting a number of basic concepts in these areas, with actual examples in the various areas. Furthermore I have partnered with Charles Schwab and Wintrust bank and representatives will be providing presentations in their respective areas followed by answering student questions. Finally I will be giving out some investment and credit information for the



students to present back their plan on how they would manage these investment and credit situations and their reasons why.

**Prerequisites:** Willingness to learn and intrigue to ask questions on the topics presented

**Cost:** None

**John Wood Outside Presenter** [john\\_w\\_60187@yahoo.com](mailto:john_w_60187@yahoo.com)  
**IMSA Faculty/Staff Sponsor**

### **PART TIME SESSIONS, Afternoon**

**1:00 PM – 4:00 PM**

#### **A to Polska właśnie... Exploring Polish Language and Culture**

Part-Time PM 1:00-4:00 pm Monday - Friday

This intersession will introduce students to language and culture of Poland. Participants will learn basics of Polish with an emphasis on speaking and communication. They will explore different aspects of Polish culture and Polish contributions to science, literature, modern society and entrepreneurship. They will also learn one of the Polish national dances! Do you want to discover “the hardest language to learn in the world”? Do you want to explore Polish impact on history from 966 to bringing down the Communism to giving the world a disproportional number of Nobel Prize winners? Do you want to explore your ethnic roots? Get past the crazy grammar and discover the language that is “amazingly different,” the country that is “one of the most dynamic economies of EU”, the nation that has seen “the emergence of an entrepreneurial generation.” Discover for yourself the German-Polish Miracle and the political engagement of Polish youth. How does it feel to be young and Polish? How about a little Polish Hip-Hop as the “Voice of New Others”? Join us on this language and culture adventure!

**Prerequisites:** Love of languages and an open mind

**Cost:** None

**Agnieszka Michalak Current Faculty** [amichal@imsa.edu](mailto:amichal@imsa.edu)

#### **Arduino Applications**

Part-Time PM 1:00-4:00 pm Monday - Friday

Students will be instructed in the basic operation and programming of arduinos. They will work in teams and use a variety of shields as well as motors and sensors to perform a number of tasks.

**Prerequisites:** None

**Cost:** None

**Mark Carlson Current Faculty** [mcarlson@imsa.edu](mailto:mcarlson@imsa.edu)

**Pat Patankar Current Faculty** [ppatankar@imsa.edu](mailto:ppatankar@imsa.edu)

#### **Compression--How Do Whole Movies Fit Inside Your Phone?**

Part-Time PM 1:00-4:00 pm Monday - Friday

The actual amount of data that comprises a song or a movie is immense, far more than your phone or even your laptop's hard drive could hold. Compression is the science of storing big files in smaller spaces, hopefully without loss of quality. We will take a look at how some of these technologies work.

**Prerequisites:** Completion of MI III or higher level core math course

**Cost:** None

**Micah Fogel Current Faculty** [fogel@imsa.edu](mailto:fogel@imsa.edu)

#### **Creative Elements of Studio Photography**

Part-Time PM 1:00-4:00 pm Monday - Friday

A picture says a thousand words, but how do you control what those words are? In this Intersession, you will learn the basics of photography and studio lighting in order to construct evocative scenes in the studio. We will cover how to use shadows and creative lighting to highlight different parts of your subject. Additionally, we will cover paints and gels and how they can be used to add more artistic flavor to a photo. After learning to set up and take these photos, we will be

learning how to edit these photos in Adobe Lightroom and Photoshop to give your photos that professional edge. At the conclusion of the week you will have the opportunity to showcase your best shots for display in the IRC Art Expo.

**Prerequisites:** No prerequisites, but you are welcome to start doing some outside research about studio photography and bring in sample photographs if you want to learn how to take a photo in the same style.

**Cost:** None

**Kevin Broy Current Staff** [kbroy@imsa.edu](mailto:kbroy@imsa.edu)

**Jake Cooley Current Student**

**Katya Bezugla Current Student**

### **Culture, Geography, and Legend: Worldbuilding**

Part-Time PM 1:00-4:00 pm Monday - Friday

We encounter hundreds of stories in the books we read, movies we watch, and games we play. Some of the best ones venture to build living, expansive worlds with unique settings and histories that frame each story in a unique way. But how? What makes a world well-described, and what can we do to build the worlds we imagine using stories and drawings? This intersession aims to look at the aspects necessary to create a fleshed-out world and populate it with societies and individuals. As part of this exploration, students will read and analyze texts as well as create their own worlds, complete with functioning ecosystems and wildlife, societies, and resources. Students will be asked to create and present a newly-built world through whatever medium they desire in order to demonstrate their understanding of the implementation of essential details required to build a world, such as the physical, societal, ideological, etc.

**Prerequisites:** Students must read selections from *The Guide to Writing Fantasy and Science Fiction* by Philip Athans (provided and distributed by advisor and facilitators). Students must bring notes on a text/property they consider to have characteristics of worldbuilding for use in introductory discussions.

**Cost:** None

**Amahlia Su Current Student**

**Rain Bravo Current Staff**

**Charles Kuch Current Student**

**Tracy Townsend Current Faculty** [ttownse@imsa.edu](mailto:ttownse@imsa.edu)

### **Diversity in STEM: Da more da merrier?**

Part-Time PM 1:00-4:00 pm Monday - Friday

There has been a massive effort in recent decades to recruit women into STEM fields. However, some people feel affirmative action and programs for women are discriminatory and unnecessary. Many, like Chief Justice Roberts, have questioned whether diversity is beneficial in the hard sciences. The president of Harvard even suggested women weren't in STEM due to biological differences, well before the Google memo. In this intersession, participants will read and discuss peer-reviewed research from multiple STEM fields that can provide insight into gender disparities in STEM. Topics will include implicit bias, stereotype threat, and historical context. Discussions will center on data and evidence-based conclusions, rather than anecdotes or ideology, but in a space that is safe for all opinions.

**Prerequisites:** None

**Cost:** None

**Micha Kilburn Alumni Class of 1995** [mkilburn@nd.edu](mailto:mkilburn@nd.edu)

**IMSA Faculty/Staff Sponsor**

### **Energy In Energy Out**

Part-Time PM 1:00 – 4:00 pm Monday – Friday

The purpose of this intersession is to explore the energy balance equation through intake of food and output of energy expenditure. Students will explore the different ways their bodies use energy through metabolic pathways, basal metabolic rate, and thermal conductivity. Students will explore food choices, physical activity, and metabolic effects for negative and positive energy balance. The group will eat together 1 day during the week in Sodexo and a box lunch will be needed a second day.

**Prerequisites:** None

**Cost:** \$15.00 per student for food costs

**Mary Myers Current Faculty** [mmyers@imsa.edu](mailto:mmyers@imsa.edu)

**Sowmya Anjur** Current Faculty [sanjur@imsa.edu](mailto:sanjur@imsa.edu)  
**David Lundgren** Current Faculty [dlundgren@imsa.edu](mailto:dlundgren@imsa.edu)

### **Game Theory and Rationality**

Part-Time PM 1:00-4:00 pm Monday - Friday

An introduction to game theory and rational behavior. We humans regularly make horribly illogical decisions, but we also tend to be illogical in predictable ways. The hope is that by showing students how we tend to be illogical, they can be a little less illogical in the future. We will run through some of the classic games, cover basic biases and fallacies, and discuss pertinent famous psychological experiments. What we do later in the week can be tailored to some degree to student interest.

**Prerequisites:** Priority will be given to seniors

**Cost:** None

**Dennis Loo** Current Faculty [dloo@imsa.edu](mailto:dloo@imsa.edu)

### **Germs, Policy, and Statistics: An Intro to Epidemiology**

Part-Time PM 1:00-4:00 pm Monday - Friday

A light introduction to basic epidemiology concepts, including the use of rates, ratios and proportions, as pertains to disease outbreak investigation. Students assume various roles integral to disease investigation, and face a series of small outbreaks as public health officials. Crises are somewhat based on historical cases, with students applying skills from microbiology, math, physiology and other disciplines. Over the course of the week, we'll also discuss the history of public health, ethics, policy, politics, and how one can use statistics to lie. On the last day, students will showcase their newfound skills by investigating a larger scale outbreak that has seemingly occurred within their midst...

**Prerequisites:** None

**Cost:** None

**Sarah J Caveglia** Alumni Class of 2006 [jeanjo87@gmail.com](mailto:jeanjo87@gmail.com)

**Don Dosch** Current Faculty [ddosch@imsa.edu](mailto:ddosch@imsa.edu)

### **Global Grand Strategy: Actions and Consequences in an International Crisis Simulation**

Part-Time PM 1:00-4:00 pm Monday - Friday

Inspired by the Brady-Johnson Program in Grand Strategy at Yale University, this one-week simulation of a global crisis introduces students to grand strategy in international affairs. Grand strategy is a term referring to the collection of political, military, diplomatic, and economic tools used by a state to advance its global interests, the classic example of a grand strategy crisis being containment of the USSR during the Cold War. IMSA students will be thrown headfirst into such a crisis (but not that exact one!), acting as officials in the US State Department and other agencies instrumental in forming US foreign policy. As new challenges and complications pop up throughout the simulation, students will have to be quick on their feet, working in groups to come up with solutions while communicating and responding to threats in a high-stakes environment. The Global Grand Challenges will be used as a primary framework for analysis, aiding students in breaking down complex issues into communicable, manageable tasks. Flexible by design, the course will encourage students to introduce and debate ideas, challenge norms, and define their own objectives. Students will develop a valuable mindset for thinking through complex challenges, a practical knowledge of the tools and history of American statecraft, and an appreciation for the intricacies of global affairs. No experience or prior knowledge about politics, foreign affairs, or economics is necessary, but an interest in these subjects is recommended.

**Prerequisites:** None

**Cost:** None

**Akash Palani** Alumni Alumni Class of 2017 [akashpal99@gmail.com](mailto:akashpal99@gmail.com)

**Yugan Sakthi** Alumni Alumni Class of 2017 [yugansakthi@gmail.com](mailto:yugansakthi@gmail.com)

**Lee Eysturliid** Current Faculty [leysturl@imsa.edu](mailto:leysturl@imsa.edu)

### **Happiness: Your Path to Success in Health, Relationships and Work**

Part-Time PM 1:00-4:00 pm Monday - Friday

A common myth is that we will find happiness when we meet with success – when we find the perfect job, when we find the perfect partner or when we get the perfect body. Recent research in the positive psychology or the “Science of Happiness” shows that the reverse is true. Happier people are more likely to be successful in work, relationships and attain good health. The good news is that we can train our mind to be happier, more engaged, creative, motivated,

energetic, resilient, and productive at work. It is not about having a silly grin on your face all day (that does help!) but developing a happier and more positive mind-set to achieve the extraordinary in our work and in our lives. We will watch videos, play games and try exercises to learn these important lessons.

**Prerequisites:** None

**Cost:** \$40.00 includes book, workbook, CD and an electronic device to measure stress or relaxation levels

**Sudesh Kannan Alumni Parent** [sudesh@meditation-magic.com](mailto:sudesh@meditation-magic.com)

**Corey Hornbeck Alumni Class of 2013** [coreytyron@gmail.com](mailto:coreytyron@gmail.com)

**IMSA Faculty/Staff Sponsor**

### **Language, Culture, and Computers**

Part-Time PM 1:00-4:00 pm Monday - Friday

How is Google Translate able to dynamically translate between more than 100 languages? Once Adobe perfects its "Photoshop for voices," how will we know what public figures have actually said? Why is Microsoft Word's grammar advice so similar to that of a pedantic fifth grader? Why can Siri understand my voice when she processes the equally English voice of my Trinidadian friend as a word salad? What happens when an AI-based Twitter bot trained to imitate humans' tweets ends up recreating racist and anti-Semitic beliefs? In this class, we'll explore a series of cultural and ethical questions that arise at the intersection of language and computing. We'll spend some time thinking about how technologies including Google Translate, natural language processing, and voice recognition work on a conceptual level, but our concerns will be primarily cultural. As they explore the questions above and others, students will begin to better understand how language works, how the computation of language works, how human biases inflect computer algorithms, and how technical questions intersect with ethical ones.

**Prerequisites:** None

**Cost:** None

**Eric Rettberg Current Faculty** [erettberg@imsa.edu](mailto:erettberg@imsa.edu)

### **Lifecycle of a Startup**

Part-Time PM 1:00-4:00 pm Monday - Friday

Experience the first year of a startup in five days. This fast-moving simulation game involves players in all major aspects of launching a new venture: risk, team formation, idea and product development, market validation, incorporation, Lean Startup, Business Model Canvas, accounting, marketing, pitching and sales. The goal is to end the week with more than you started with and not suffer significant losses in the process. You'll never look at business the same again. And if you ever start your own business, you'll be better prepared. Day four is a Shark Tank with investors.

**Prerequisites:** None

**Cost:** None

**Carl Heine Current Staff** [heine@imsa.edu](mailto:heine@imsa.edu)

### **Making for Tabletop Gaming**

Part-Time PM 1:00-4:00 pm Monday - Friday

Do you like tabletop games? Board games, role-playing games, war games, or card games?

So do we. That's why in this intersession, you'll learn to use IMSA's Makerspace to enhance your gaming experience with making skills and fabrication technology.

Turn yourself into a 3D Printed miniature for your next Dungeon and Dragons game. CNC your own board game pieces. Use a foam cutter to design your own wargaming or rpg terrain. Or Vinyl cut a professional looking board game stencil. We're all nerds at IMSA. Some of us more than others.

**Prerequisites:** None

**Cost:** None

**Erik Swanson Current Staff** [eswanson@imsa.edu](mailto:eswanson@imsa.edu)

### **Project Management Skills for Life**

Part-Time PM 1:00-4:00 pm Monday - Friday

Have you ever wondered what a Project Manager really does? Would you like to learn how project management skills can help you with your studies and can be applied to many things in your daily life? In this course, we will cover the basics of Project Management, talk about project management as a profession and learn how to apply these skills to school and everyday life. Students will participate in classroom exercises as well as coming up with their own examples of how to apply these skills in their daily life.

**Prerequisites:** None

**Cost:** None

**Andrea Franks** Current/Alumni Parent [afranks50@gmail.com](mailto:afranks50@gmail.com)

**Parthiv Zaveri** Outside Presenter [diracademicoutreach@pmi-chicagoland.org](mailto:diracademicoutreach@pmi-chicagoland.org)

**Amy Keck** Current Staff [akeck@imsa.edu](mailto:akeck@imsa.edu)

### **ROBOTICS - Creating RiseUp: Robotics impacting the United Nations Sustainable Development Goals**

Part-Time PM 1:00-4:00 pm Monday - Friday

RiseUp (Robotics Impacting Social Entrepreneurship for Uplifting People) is a new competition created by IMSA for students in grades 7 - 12 designed to develop engineering and robotic skills using challenges that help people. This is our roll-out year and the simulation game platform and robots will all need to be created. This intersession is an opportunity to create and program the competition robot, help develop and build the competition field, and define and test competition scoring and tasks.

**Prerequisites:** None

**Cost:** None

**Bud Bergie** Current Staff [lbergie@imsa.edu](mailto:lbergie@imsa.edu)

**Jim Gerry** Current Staff [jgerry@imsa.edu](mailto:jgerry@imsa.edu)

### **Science for a Brainy Day**

Part-Time PM 1:00-4:00 pm Monday - Friday

This intersession will focus on activities that explore a variety of topics related to neuroscience and psychology. Students should be prepared to be very active in their exploration of the brain, its structure, old theories and current concepts regarding the organ that allows us to study ourselves.

**Prerequisites:** Please bring a computer (that works).

**Cost:** None

**Nicole Ross** Current Staff [nross@imsa.edu](mailto:nross@imsa.edu)

### **Science Olympiad Events**

Part-Time PM 1:00-4:00 pm Monday - Friday

Science Olympiad competitions are like academic track meets, consisting of a series of 23 team events. Each year a portion of the events are rotated to reflect the ever-changing nature of genetics, earth science, chemistry, anatomy, physics, geology, mechanical engineering and technology. Emphasis is placed on active, hands-on, group participation and the focus will be on the events for the 2017 - 2018 season.

**Prerequisites:** None

**Cost:** None

**Angela Ahrendt** Current Faculty [aahrendt@imsa.edu](mailto:aahrendt@imsa.edu)

**John Thurmond** Current Faculty [jthurmond@imsa.edu](mailto:jthurmond@imsa.edu)

**Ray Urbanski** Current Staff [rurban@imsa.edu](mailto:rurban@imsa.edu)

### **Simulations at IMSA**

Part-Time PM 1:00-4:00 pm Monday - Friday

In this intersession students will create a computer model of the physical spaces at IMSA. This computer model will be used in various simulations where students will develop rudimentary AIs to interact within this environment. Students are expected to have basic knowledge of programming (at least to the level of what is covered in CSI).

**Prerequisites:** CSI or the equivalent (testing out of CSI)

**Cost:** None

**Eric Hawker Current Faculty** [ehawker@imsa.edu](mailto:ehawker@imsa.edu)

**Peter Dong Current Faculty** [pdong@imsa.edu](mailto:pdong@imsa.edu)

### **SIR – CLOSED SESSION**

Part-Time PM 1:00-4:00 pm Monday - Friday

This intersession enables students currently in the SIR program to use the week to work full time with their Research Mentor in their SIR lab.

**Prerequisites:** Students wishing to participate in SIR must sign up in the SIR office prior to November 7, 2017

**Cost:** None

**Sanza Kazadi Current Staff** [skazadi@imsa.edu](mailto:skazadi@imsa.edu)

### **The Killing Joke: The Philosophy Behind the Batman and the Joker**

Part-Time PM 1:00-4:00 pm Monday - Friday

Everything burns.....Or does it? Behind the comics, movies, bad jokes, and "insanity", the battle between the Batman and the Joker is deeply philosophical. This intersession will take a look at the personal philosophies of the Batman and the Joker, and how they reflect on the nature of Man, our sense of purpose, morals, ethics, and authority. Students will explore the characterization of the Batman and the Joker, read pivotal comics in the Batman Universe, and view film excerpts to supplement their ideas. A majority of the class will be discussion based, with the end goal of deciding which character holds a more accurate view of the world, and our place in it. The intersession will culminate in a debate between the ideologies of the Batman and the Joker and, of course, a screening of The Dark Knight. If you are captivated by the madness and mayhem of the Batman Universe, or just really want to know how the Joker got these scars, this intersession is for you!

**Prerequisites:** None

**Cost:** Potentially, your sanity

**Goutam Gutta Current Student**

**Michael Hancock Current Faculty** [mhanc@imsa.edu](mailto:mhanc@imsa.edu)

### **The Secrets of the Rubik's Cube**

Part-Time PM 1:00-4:00 pm Monday - Friday

Students will be learning not only how to solve a Rubik's Cube, but how it is possible to do all sorts of things with the Cube and with similar puzzles, such as blindfolded solving, Megaminx solving, higher order solving, magic tricks, and speed-solving. Additionally, they will learn all about contemporary cube culture through YouTube videos, World Cube Association records, and personal anecdotes.

**Prerequisites:** All participants must have their own Rubik's Cube

**Cost:** Cost of the Rubik's Cube (\$10.00-\$15.00)

**Lucas Urbanski Current Student**

**Rafael Gonzalez Alumni Staff** [rgonzalez1@imsa.edu](mailto:rgonzalez1@imsa.edu)

### **Trick Taking Card Games**

Part-Time PM 1:00-4:00 pm Monday - Friday

We will learn and play spades. Spades is a four person trick-taking card game that uses strategic/logical thinking. Students will be active in learning, then playing Spades, and perhaps another four person card game depending on student interest. We will discuss and employ strategies specific to spades, but are common to many games. Students will learn about trumps, finesse, leads, signaling to partner, card counting, cross rough, and other ideas.

**Prerequisites:** Some experience with cards

**Cost:** None

**Steven Condie** Current Faculty [scondie@imsa.edu](mailto:scondie@imsa.edu)

**Understanding China through Pastimes**

Part-Time PM 1:00-4:00 pm Monday - Friday

This intersession is intended to develop an understanding of the history and culture of modern China. The central idea is to use a selection of pastime activities as a way to help students better understand the history, culture and society of China in the twentieth century. Chinese pastimes bring people together in their daily life. They are the perfect gateway for getting closer to China's culture and its people. In this intersession, students will experience Mahjong, Karaoke, tea ceremony, and dumpling making. We will also watch Chinese films, visit local Chinese communities, including Xilin Community Center and Chicago's Chinatown, to gain more insights of the people's everyday lives. Students will develop cultural competency through comparing and contrasting US and Chinese cultures in depth.

**Prerequisites:** None

**Cost:** None

**Michelle Cheng** Current Faculty [mcheng@imsa.edu](mailto:mcheng@imsa.edu)

**Virtual Reality Studio**

Part-Time PM 1:00-4:00 pm Monday - Friday

Virtual Reality (VR) is unlocking new potential in industries from healthcare to retail. In this intersession, you will get hands-on experience solving problems and creating new experiences in VR. We will shatter the notion that only tech gurus can succeed in VR. No prior programming experience is necessary: this intersession will cover concepts that are core to programming, game development, and engineering in teams. Everything you develop in this intersession can be shared with friends, even if they don't have fancy hardware! To get a taste of VR and play some demos, visit:

<https://aframe.io>

**Prerequisites:** No prerequisites. Instructor will assume students have no prior knowledge of JavaScript or VR development.

**Cost:** None

**Vinesh Kannan** Alumni Class of 2015 [v@hawk.iit.edu](mailto:v@hawk.iit.edu)

**IMSA Faculty/Staff Sponsor**

**Wellness in the Water**

Part-Time PM 1:00-4:00 pm Monday - Friday

Students will explore various activities in the water to enhance their physical wellness. Activities will include but not limited to water aerobics, muscle fitness activities, relaxation and meditation, water games, and endurance activities.

**Prerequisites:** None

**Cost:** None

**David Lundgren** Current Faculty [dlundgren@imsa.edu](mailto:dlundgren@imsa.edu)

**Mary Myers** Current Faculty [mmyers@imsa.edu](mailto:mmyers@imsa.edu)

**Sowmya Anjur** Current Faculty [sanjur@imsa.edu](mailto:sanjur@imsa.edu)

**Women in America: Breaking Barriers and Making Noise**

Part-Time PM 1:00-4:00 pm Monday - Friday

What challenges and barriers do American women face today in their effort to break the "glass ceiling?" This intersession will explore the struggle for women's rights in the United States, focusing in particular on specific women and movements who have paved the way for all women today. Topics of interest will include: women in STEM fields, women's health, women in politics, women in entertainment/sports and more! We will examine these issues with an intersectional lens (focusing on how race and gender intertwine).

This will be a discussion-heavy course, with a variety of readings (provided) as well as film and video clips. The final assessment will require students to research and present on a woman who is still living today who has (or is currently) impacting the lives of women in America today.

**Prerequisites:** None

**Cost:** None

**Erin Micklo Current Faculty** [emicklo@imsa.edu](mailto:emicklo@imsa.edu)  
**Anita White Current Faculty** [awhite@imsa.edu](mailto:awhite@imsa.edu)

**PART TIME SESSIONS, Evening**  
**6:30 PM – 9:30 PM**  
**Sunday - Thursday**  
**or**  
**Monday - Friday**

### **Chicago Theater**

Part-Time Eve 6:30-9:30 pm **Monday - Friday**

Students will be going to see professional theatrical performances in Chicago. We will be seeing 4 shows at different venues to give students exposure to a wide variety of professional theatres. Monday night: Improv and Sketch Comedy at Second City, Tuesday night: Red Velvet at Chicago Shakespeare; Wednesday night: Review Evening on IMSA's Campus with faculty advisors; Thursday night: Nevermore at the Edge Theater; Friday night: Either The Good Fight by the Babes with Blades Productions OR Arthur Miller's All My Sons at the Court Theater (based on availability). On Wednesday and during the bus rides, we will be discussing elements of theatrical performance and how preconceived notions impact how we experience live theater. Please be aware that, as all shows are in Chicago, we will be leaving campus at approximately 5pm and returning at approximately 11pm.

**Prerequisites:** None

**Cost:** Approximately \$100.00 for the 4 theater tickets

**Julie Dowling Current Faculty** [jdowlin@imsa.edu](mailto:jdowlin@imsa.edu)  
**Devon Madon Current Faculty** [dmadon@imsa.edu](mailto:dmadon@imsa.edu)

### **How to Host The Olympics**

Part-Time Eve 6:30-9:30 pm **Sunday - Thursday**

With Pyeongchang 2018 on the horizon, excitement for the Olympics is bubbling. From John Carlos and Tommie Smith's raised fists to protests across Rio, the Olympic Games, more than any other sporting event, has its finger on the pulse of society--but how did a poorly-run amateur competition rise to the top? This intersession will answer that question by exploring the multifaceted history of the modern Olympics through its organizers, hosts, and competitors. We'll find out what--or who--makes the Olympics so powerful, and take a closer look at the debates on amateurism and logistics that surface every four years. By the end of the week, students will have their own answers to these questions and more: Who should host the Olympics? Which athletes should compete in them? Is it true that "The Games must go on?"

**Prerequisites:** None required - students should have interest in the Olympics and looking at sports beyond the box score

**Cost:** None

**Katherine Evans Alumni Class of 2009** [katherine.evans13@gmail.com](mailto:katherine.evans13@gmail.com)  
**IMSA Faculty/Staff Sponsor**

### **Intelligence Squared IMSA**

Part-Time Eve 6:30-9:30 pm **Sunday - Thursday**

Based off the award-winning podcast, Intelligence Squared, students will prepare and present their own argument on current issues through Oxford-style debate! This intersession will advance student's abilities to communicate effectively by understanding fundamentals of communication and psychology, building a strategic argument, selecting the best mode, and practicing public speaking.

**Prerequisites:** None

**Cost:** None

**Sulochana Mutha Alumni Class of 2008** [sulochana.k.mutha@gmail.com](mailto:sulochana.k.mutha@gmail.com)  
**IMSA Faculty/Staff Sponsor**



### **Introduction to Improv**

Part-Time Eve 6:30-9:30 pm **Monday - Friday**

Improv is a form of theater in which everything that is said and done is spontaneously made up by the performers, based on suggestions from the audience. Students in this intersession will learn the fundamentals of improv through exercises and short-form games similar to those seen on "Whose Line Is It Anyway?" Over the course of the week, students will learn how to perform improv scenes, develop characters and relationships, the rules of the improv games, and the importance of supporting their teammates and saying "Yes, And...". On Friday, the class will perform a 30 minute show for the IMSA community, and on Saturday, there will be an tentative optional trip to Westside Improv in Wheaton to watch a professional improv performance.

**Prerequisites:** None

**Cost:** If students attend the optional performance at Westside, the tickets for that performance will be approximately \$5.00, but otherwise there is no cost

**Brian Sebby Alumni Class of 1996** [brians@gmail.com](mailto:brians@gmail.com)  
**IMSA Faculty/Staff Sponsor**

### **Mock Trial: Courtroom Drama**

Part-Time Eve 6:30-9:30 pm **Sunday - Thursday**

This intersession will give students the opportunity to learn about the American legal system by preparing them to present a Mock Trial! ISBA prepares a mock case every year that students then create plaintiff and defense arguments for. In a Mock Trial, the students will take the role of the attorneys and simulate what a real trial is like. This intersession will prepare students to present one by teaching them the basics of legal analysis in addition to the tenets of the courtroom procedure.

**Prerequisites:** None

**Cost:** None

**Patrick Pynadath Current Student**  
**Ronald D. O'Neal Outside Presenter**  
**Traci Ellis Current Staff** [tellis@imsa.edu](mailto:tellis@imsa.edu)

### **Scholastic Bowl Preparation**

Part-Time Eve 6:30-9:30 pm **Monday - Friday**

The Scholastic Bowl is hosting a tournament (IMSANITY) on the weekend of January 14th. We are writing our own question set, so this will be time that I can make sure that we've got final editing completed. If we have extra time, we will work on some of our team's weak subjects

**Prerequisites:** None

**Cost:** None

**Dennis Loo Current Faculty** [dloo@imsa.edu](mailto:dloo@imsa.edu)

# INTERSESSION 2018

## Out-of-State Trips

Please check your email for more details from intercession sponsors. Some of the trips require participants to make a commitment soon. Feel free to send questions directly to the sponsors.

### Austria: Language and Culture – CLOSED SESSION

Full Time                      Off Campus

Students will travel to Vienna, Austria, where they will have an opportunity to learn or practice German and experience Austrian culture. They will be exposed to Austrian history, art, architecture, food, and people. The trip will be based out of Vienna, however students will have the chance to see some Austrian countryside and rural areas.

**Prerequisites:** Interest in German

**Cost:** Approximately \$2,300.00 per student plus \$200.00-\$300.00 for food

**Note:** Saturday Jan. 6<sup>th</sup> depart, Saturday Jan 12<sup>th</sup> return (subject to change)

Mary Kate Tadie Current Staff [mtadie@imsa.edu](mailto:mtadie@imsa.edu)

### Cultural Explorations and Language in Spain

Full Time                      Off Campus

This is an opportunity for students to explore the beautiful capital of Spain, while learning about the culture, cuisine and history of Madrid they will also put to practice all the skills they have learned in their Spanish classes at IMSA. Students will have daily trips all over the city, each with a different focus on a piece of daily life in Madrid. Students will be expected to speak only Spanish for the duration of the trip.

**Prerequisites:** Students should currently be enrolled in Spanish at IMSA or be native speakers.

**Cost:** \$2,200.00 per student - this will cover travel, food, lodging, and admission fees to various museums and attractions as well as cost of tour guides in specific galleries. This is an estimate.

Marcos Beltran Current Staff [mbeltran@imsa.edu](mailto:mbeltran@imsa.edu)

Barbara Hernandez Current Staff [bhernandez@imsa.edu](mailto:bhernandez@imsa.edu)

### Hawaii Intercession – CLOSED SESSION

Full Time                      Off Campus

Students involved in this intercession will be immersed in an environment unique in its rich biodiversity and island biogeography. They will observe the varied ecosystems of the island, learning about conservation issues that are of current focus, as well as experience the biodiversity and interaction of organisms that comes with it first hand in both land and ocean environments. They will learn about the history of Hawaii, including the early native populations and changes that came with colonization, as well as how Hawaii has been impacted globally by immigration and global conflict. Students will also focus greatly on how Polynesian cultures were, and still are, intimately tied to the land on which they live

**Prerequisites:** None

**Cost:** Approximately \$2,500.00 per student, students will pay for the trip.

**Note:** Intercession will run during Intercession week plus part of the surrounding weekends for travel.

Sarah O'Leary-Driscoll Current Faculty [soleary@imsa.edu](mailto:soleary@imsa.edu)

Julie Polz Current Staff [jpolz@imsa.edu](mailto:jpolz@imsa.edu)

### **Hurricane Irma Impact and Recovery in Key Largo Florida – CLOSED SESSION**

Full Time Off Campus

Months after Hurricane Irma, how does the environment rebound from its devastation? For a week, we will be visiting Key Largo to observe the impacts of Hurricane Irma in the environment. Volunteering at places such as Pennekamp State Park and the Dagny Johnson Hammock Botanical State Park, we are hoping to educate students on what we need to do in order to rebuild after a disaster. Furthermore, we aim to enjoy the outdoors, go fishing, and rest on the beach.

**Prerequisites:** None

**Cost:** Estimated to be \$1,900.00 max, the more people who go the cheaper the price. Anything we don't use we give back to you. Price does not include food (recommended to bring \$40.00 a day for food)

Ralph Flickinger Current Staff [ralph@imsa.edu](mailto:ralph@imsa.edu)

### **International Service Trip to Peru Orphanage!!**

Full Time Off Campus (prior to Intersession Week)

Part-Time AM 8:30-11:30 am Monday – Friday (during Intersession Week)

Nuestros Pequeños Hermanos (“Our Little Brothers and Sisters”) was founded in 1954 by Father William Wasson; since then over 15,000 children have grown up in the NPH family, which now operates homes in nine countries: Mexico, Bolivia, Honduras, Haiti, Nicaragua, Guatemala, El Salvador, the Dominican Republic and Peru. Nuestros Pequeños Hermanos (NPH) is a charitable organization serving orphaned and abandoned children in Latin America and the Caribbean. Its mission is to provide these children with shelter, food, clothing, healthcare and education in a family environment. Today, over 3,300 children are being cared for in a loving, secure environment. For the past 10 years, IMSA students have participated in service trips to NPH homes over intersession, spring break and summer. There have been six different trips to NPH Peru, four trips to the NPH home in Honduras, four trips to NPH Dominican Republic, and one trip to the NPH home in Guatemala. The weeks spent at the various NPH homes have inevitably been life changing for both students and staff, inspiring students to seek out service opportunities abroad as well as the study abroad programs available at the colleges to which they applied. Nuestros Pequeños Hermanos Peru was founded in 2004, one of the newest homes. Located approximately two hours from the nation’s capital, Lima, NPH Peru is a thriving community in the heart of the Peruvian town, Canete. At this time, close to 100 children call NPH Peru their home. NPH Peru is one of the smallest NPH homes, but the impact we have made over the years has been great. For more information, feel free to visit [www.nph-peru.org](http://www.nph-peru.org). This December-January, we will be taking our 7th trip to visit the children of NPH Peru. We have a warm relationship with this home and each year, we are greeted with open arms and treated like family. Needless to say, we are thrilled to have the opportunity to return again this winter! We will do various projects around the home, but the most important thing we will spend time on is building relationships with the kids.

Upon our return, we will meet during the mornings of Intersession week for a reflection experience. Thoughtful reflection of a service learning experience is of utmost importance.

**Prerequisites:** A passport or the ability to get a passport before December 27th, 2017.

**Cost:** Approximately \$2,250.00\* per student, depending on the cost of airfare \*cost includes airfare, all ground transportation in Peru, all lodging and meals in Peru, basic travel insurance, supervision throughout the trip (Cost does NOT include meals in the airport, souvenir money, vaccinations, travel to and from O'Hare airport)

**Note:** Students will be required to meet at O'Hare airport by their own means on December 27th, 2017. We plan to arrive back on campus Sunday, January 7th. We will hire a private limo/taxi service to transport us back to IMSA on that day.

Kristen Rojas IMSA Alumni Staff [kristendebellis@gmail.com](mailto:kristendebellis@gmail.com)

Itzel Lopez Current Staff [ilopez1@imsa.edu](mailto:ilopez1@imsa.edu)

### **Jeszcze Polska nie zginęła--Intersession Trip to Poland – CLOSED SESSION**

Full Time Off Campus

Restored as a nation in 1918 but ravaged by two world wars, Poland suffered tremendously throughout the course of the 20th century. World War II was particularly damaging, as Poland's historically strong Jewish population was almost wholly annihilated in the Holocaust. Millions of non-Jewish Poles also died, victims of more partition and conquest. With the fall of the Third Reich, Poland effectively lost its independence once again, becoming a communist satellite state of the Soviet Union. Nearly a half century of totalitarian rule followed, though not without strong challenges on the part of Poland's workers, who, supported by a dissident Catholic Church, called the economic failures of the Soviet system into question. This trip is a great opportunity for students to understand the history of Poland, life during the Holocaust, and how modern Poland has rebuilt itself. Kraków, where we will travel, is a historic center of arts and education and the home of Pope John Paul II, who personified for the Polish their country's struggle for independence and peace in modern times. The trip will run from January 5th-13th (leaving ORD on the 5th, arriving on the 6th). During this intersession, students will visit several sites from the Holocaust, including Auschwitz, Schindler's factory, Pharmacy place, and meeting with survivors. Students will also get to visit the world famous "Wieliczka" salt mine, see the historic universities of Kraków, and indulge in some amazing Polish cuisine. All Holocaust site visits will have an expert tour guide who is academically trained, as well as licensed to give tours about these historical areas. A write up about the entire learning experience will be due on the 15th of January.

**Prerequisites:** No class prerequisites. Priority to seniors.

**Cost:** Estimated cost will vary based on number of students. Maximum of \$2,300.00 USD for flight, living quarters, tours and guides (plus transportation for Auschwitz). Does not account for cost of food and daily transportation.

**Note:** International trip from January 5th-13th, to allow for travel.

Kevin Kusy Current Staff [kkusy@imsa.edu](mailto:kkusy@imsa.edu)

Chloe Katehis-Krencik Current Staff [ckatehis@imsa.edu](mailto:ckatehis@imsa.edu)

### **Mexico City: Language and Culture Immersion**

Full Time Off Campus

Students will get a chance to practice and improve their Spanish by interacting with the locals, attending a theatre performance, visiting world-renowned museums, and exploring neighborhoods. They will have an opportunity to climb up ancient pyramids, hang out at a castle, discover the many attractions of the oldest urban park in America (no, not the country), ride a bike or take a stroll on an iconic avenue, and experience first-hand what they have learned about in their classes. The exact dates are dependent on airfare and hotel availability, however, the plan is to depart on the Saturday before intersession and return on Thursday.

**Prerequisites:** Though students need not be enrolled in a Spanish class, a certain level of Spanish is required. Students will need to answer some questions as part of the selection process. All things equal, priority will be given to seniors.

**Cost:** Approximately \$1,400.00 per student. The cost includes airfare, trip insurance, accommodations, and activities. I will have a better sense of the cost once I know how many students are going. The cost does not include food, incidentals, and optional souvenirs. Students can reasonably expect to pay between \$5–15 per meal. Students are responsible for the cost of the trip.

**Note:** The plan is to depart on the Saturday before Intersession – January 6 and return on Thursday – January 11, 2018.

María del Carmen De Avila Current Faculty [mcdeavila@imsa.edu](mailto:mcdeavila@imsa.edu)