

INTERSESSION 2017 CATALOG OF OFFERINGS

NOTE ON INTERESESSION COSTS:

Fee waivers and/or reduction in costs for sessions are 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) are eligible for aid to offset intersession costs. If you feel you qualify, please stop by the Principal's Office and speak with Colleen Geihm.

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

Part time Morning

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.

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(s) None

Janice Krouse, IMSA Faculty krouse@imsa.edu

Tina Loos, IMSA Staff cloos@imsa.edu

FULL TIME SESSIONS, Afternoon / Evening 1:00 PM – 4:00 PM, 6:30 PM – 9:30 PM

Java Programming Immersive Training

Full time Afternoon /Evening

Students are given an opportunity to write Java programs uninterrupted for 5 days. We'll follow the guide of Oracle Certified Associate for Java SE8 but put much emphasis on immersive programming experience. Industry software development practice will be introduced and projects are fairly large and complex. Students will become fluent in Java programming and gain sufficient appreciation of what it is like to work as a software developer. This enriched experience will afford the students the ability to use Java in extracurricular activities and future career exploration.

Prerequisite(s) One semester high school programming class or completion of Computer Science Inquiry. Purchase book listed below in advance.

Cost(s) OCA: Oracle Certified Associate Java SE 8 Programmer I Study Guide: Exam 1Z0-808
Publisher: Sybex; 1 edition (December 31, 2014)
ISBN-10: 1118957407
ISBN-13: 978-1118957400, estimated cost \$40.00

Weisong Xu, IMSA Parent willwsxu@gmail.com

**FULL TIME SESSIONS, Morning / Afternoon
8:30 AM – 3:00 PM**

Chess with a US Champion

Full time Morning/Afternoon

Ever wondered how the mind of an elite chess grandmaster works? You will find out, as the 2008 US Chess Champion Yury Shulman will be teaching you all about the sneaky tactics and strategies you can use to blow your opponents off the board. Not only will you play countless games against others (including Grandmaster Shulman), but you will also hear him analyze some of your games. At times, we will take a break from standard chess and play popular variants of chess, such as bughouse, motherboard, and suicide chess. **On the days Yury joins the session, box lunches will be provided for a 12:00 – 12:30 pm working lunch. The session will break for lunch from 12:00 – 12:30 the other days.**

Prerequisite(s) None, but it is highly recommended that all participants know the rules of chess.

Cost(s) Maximum of \$50 per student.

Jonathan Liu, IMSA Student

Don Porzio, IMSA Faculty dporzio@imsa.edu

**FULL TIME SESSIONS, Morning / Afternoon
8:30 AM – 11:30 AM, 1:00 PM – 4:00 PM**

eleMENT-CLOSED SESSION

Full time Morning/Afternoon

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 BML cycle, spend time participating in focus groups with startups, talk to entrepreneurs in 1871, and participate in a mini-hackathon on the last day.

Prerequisite(s) Students will have a written application and an interview. We will filter these applicants to select 12 sophomore students.

Cost(s) \$22.50 for train tickets

Trevor Barnes, IMSA Staff, tbarnes@imsa.edu

Charlie Hultquist, IMSA Student

Vainius Normantas, IMSA Student

IMSA-PTHS Student Exchange-CLOSED SESSION

Full time Morning/Afternoon

IMSA students of Russian will travel to St. Petersburg, Russia, for two weeks (March 17-April 2), live with host families, attend classes at PTHS (Physical-Technical High School), and tour St. Petersburg and its environs. During Intersession week students will attend full-time orientation sessions designed to prepare them to better understand and appreciate Russia's culture, customs, and people.

Prerequisite(s) Current enrollment in Russian 2 or Russian 3. Strong academic record in Russian and all other classes. An exemplary IMSA discipline record. Willingness/ability to host a PTHS student for home stay in January 2018. Priority will be given to IMSA students who hosted PTHS students in January 2016.

Cost(s) Students will pay approximately \$2,200 for the trip. This amount includes air fare, a visa, travel insurance, and a cultural program. PTHS will provide IMSA students with room and board.

Paavo Husen, IMSA Faculty paavo@imsa.edu

Carlo Ordonez, IMSA Faculty cordonez@imsa.edu

IN2: Special Projects

Full time Morning/Afternoon OR

Part time Morning or Afternoon

IN2 Interns, LaunchPad team members, Maker Squad leaders or IN2 approved projects (see Britta first) may continue your work during Intersession week either part time or full time. If you do not have a current project, you can join our IN2 STEM Kits team where students are creating DIY exploratory STEM activity kits that will be available for check-out at the Idea Bar by IN2 members and guests.

Prerequisite(s) Students must be in good standing and currently working on an approved IN2 project, a member of a LaunchPad team (Drop Dot or VR), an IN2 Intern to work independently, or willingness to join an adjunct team to develop IN2 DIY STEM Kits.

Cost(s) None

Britta McKenna, IMSA Staff bmckenna@imsa.edu

Internships over Intersession-CLOSED SESSION

Full time Morning/Afternoon

Current TALENT and IN2 Interns in good standing continue to work on internship assignments by enrolling in this Intersession offering. Winter Break usually prevents interns from working because there are few I-Days in December and January. Intersession provides a block of 5 days for completing comprehensive internship assignments. Chicago interns travel downtown three days (Monday through Wednesday) and work remotely from IN2 on Thursday and Friday. IN2 interns work at IN2 all five days.

Prerequisite(s) Must currently be serving as a TALENT or IN2 intern.

Cost(s) None

Jim Gerry, IMSA Alumni Staff jgerry@imsa.edu

Carl Heine, IMSA Staff heine@imsa.edu

Kings and Queens and Plots and Poison and Sex and War: Part 2

Full time Morning/Afternoon

A Study of Renaissance Intrigue...

The Pope's daughter (!) wears a hollow ring filled with poison, used to eliminate rivals and uncooperative lovers. The duke of Burgundy meets the crown prince of France on a bridge to discuss peace, and is promptly assassinated by the prince's retainers. The queen of Castile and the king of Aragon must marry secretly, because their nobles seek to block their union. The king of France goes mad because several of his friends, clad in highly flammable costumes, accidentally burn to death at a masquerade party. The queen of France, concerned about the stability of her authority, orders the death of 3000 Parisian Protestants in a single night. Finally, over the course of 30 years, three out of four kings of England, along with dozens of their relatives, die violently as civil war tears at the kingdom. However, while all of this is going on, everyone takes the time to commission really beautiful works of art. Welcome to the Renaissance. "Game of Thrones" pales in comparison, because this is ... REAL. We will explore the complexities and drama of Renaissance politics, diplomacy, romance, and conflict through good stories, images, documents, poetry, plays, maps, and some great movies.

Prerequisite(s) Stoutness of Heart.

Cost(s) None

Rob Kiely, IMSA Faculty oldstuff@imsa.edu

Martial Arts Training Camp 2017

Full time Morning/Afternoon

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 a tentative dinner outing. The Intersession will conclude with a promotion test and friendly tournament.

Prerequisite(s) 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(s) 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 promotion test fee (optional) and a \$6.55 processing fee (charged by Eventbrite). The total estimated costs are \$64.55 to \$99.55 per female participant and \$72.55 to \$107.55 per male participant. Students are responsible for covering these costs.

Cynthia Nguyen Dang, IMSA Class of 2003 karatekid85@gmail.com

Mini-Medschool

Full time Morning/Afternoon

Through this week-long Intersession held at Rush University Medical Center in Chicago, students will learn more about a career as a physician, including what it is like to train and practice, as well as gain fundamental basic science knowledge and physical exam skills. Students will have the opportunity to interact with medical students and physicians throughout the week. This is NOT a physician shadowing experience.

Prerequisite(s) Must be a junior or senior and not have previously attended this Intersession; seniors will be given priority in scheduling.

Cost(s) None

Samir Mishra, IMSA Class of 2011 Samir_Mishra@rush.edu

Sharon Gates, RUSH Advisor

Mark Kammrath, IMSA Faculty mkammrath@imsa.edu

Robotics Engineering: Designing and Building a Competitive Robot for FRC

Full time Morning/Afternoon

The FIRST Robotics Competition (FRC) is an annual international competition where IMSA partners with mentors (professional Caterpillar engineers, alumni, and others) 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. They will also document the build process, create social media elements, and may also create a robotics related video for FRC. Students are encouraged to participate in the rest of the competition work that occurs in the five weeks following Intersession. Interested students may be invited to attend the regional competition held in Chicago and, if our team qualifies, to the championship held annually in St. Louis, MO.

Prerequisite(s) None outside of a willingness to learn about robotics and the design and build process.

Cost(s) All costs incurred during this intersession will be borne by existing donations from our primary sponsor, Caterpillar.

Erik Swanson, IMSA Staff eswanson@imsa.edu

Mark Carlson, IMSA Faculty mcarlson@imsa.edu

Pat Patankar, IMSA Faculty ppatankar@imsa.edu

SIR Intersession

Full time Morning/Afternoon

Intersession for currently active SIR students will provide an experience in which students may continue their research full time during the Intersession week. This applies to both on and off campus students, though off campus students will be allowed to participate only if there are enough students to warrant providing transportation or the students themselves participate with transportation arranged and/or provided by their parents.

Prerequisite(s) Being enrolled in an active SIR by fall 2016.

Cost(s) None

Sanza Kazadi, IMSA Staff skazadi@imsa.edu

Sovereign of the Seas: The European Struggle for the World's Oceans

Full time Morning/Afternoon

From the voyages of Columbus to the present day, command of the sea has formed a critical component in the power, wealth, and occasionally survival of western nations. This intersession will explore the battles for the world's oceans from the Spanish Armada of 1588 to the Battle of the Atlantic 1939-1945 which doomed Hitler's Third Reich.

Prerequisite(s) None

Cost(s) \$5 for U-505 Submarine exhibit - Field Trip to Museum of Science and Industry

Claiborne Skinner, IMSA Faculty skinner@imsa.edu

The Making of The Legend of Ice Cream Drive

Full time Morning/Afternoon

Legend has it there have been strange happenings by the forest of Ice Cream Dr. Objects disappearing, people going missing, and a team of storytellers and filmmakers are needed to tell it all! Students interested in this intersession should be willing to act on screen, learn how to use professional digital cinema equipment, market and promote and collaborate with other teams. By the end of the week, students will have learned basic screen writing, storyboarding, filming, film scoring and editing/special effects. This intersession will create an extended trailer for a horror film that will be showcased at the Art Exhibit at the end of the week.

Prerequisite(s) None

Cost(s) None

Bill McGrail, IMSA Staff wmcgl@imsa.edu

Abby Mungcal, IMSA Student

Maria Garcia, IMSA Student

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

A Polynesian Journey through Dance & Instruments

Part time Morning

Students will learn a variety of Polynesian dance styles such as the hula, Maori, Samoan, and Tahitian. They will also practice drumming styles and use various dance and song instruments like the Hawaiian ipu, Maori poi balls, and the Tahitian drums. And while learning dance and instrumentation, they will simultaneously explore the cultural and historical backgrounds of various Polynesian regions.

Prerequisite(s) Interest in Polynesia.

Cost(s) None

Carmela Jones, IMSA Staff, cjones@imsa.edu

Leigh Kanoë Bell, Outside Advisor

Melelana Beeks, Outside Advisor

Aesthetic Photography

Part time Morning

If you're interested in taking your photo game to the next level, this intersession is for you! Being able to create and manipulate photos is a skill that every aspiring photographer needs. You'll learn the basics of DSLR photography in both the studio and outdoors, as well as photo editing and post-processing. We will cover how to use shadows and creative lighting styles to make artistic and aesthetic looking photos in the studio. Artistic topics like multiple exposure, bokeh, and landscape photography will be covered in the outdoors. After taking your photos, you'll learn editing techniques in Adobe Lightroom and Photoshop to make your photos stand out. Finally, you will print out your best shots for display in the IRC Art Expo.

Prerequisite(s) No prerequisites, just preparedness to be creative!

Cost(s) None

Kevin Broy, IMSA Staff kbroy@imsa.edu

Andriy Sheptunov, IMSA Student asheptunov@imsa.edu

Cecelia Chang, IMSA Student cchang1@imsa.edu

American Red Cross First Aid/CPR/AED

Part time Morning

The American Red Cross First Aid/CPR/AED Intersession program is to help participants recognize and respond appropriately to cardiac, breathing and first aid emergencies. This program will provide participants with the knowledge and skills needed to give immediate care to an injured or ill person and to decide whether advanced medical care is needed. Students who demonstrate competency in all required skills and have successfully satisfied the American Red Cross program requirements are eligible to receive a certificate of completion, valid for two years.

Prerequisite(s) None

Cost(s) \$45 for certification and supplies paid by each individual student

Mary Myers, IMSA Faculty mmyers@imsa.edu

David Lundgren, IMSA Faculty dlundgren@imsa.edu

Borrowed Music in the Movies

Part time Morning

A survey and exploration of how film-makers and film composers utilize borrowed classical music and popular music in the scores for their films. In the intersession, we will watch full films, as well as sections of others, and discuss how the borrowed musics influence the meaning of scenes in films, as well as how the use of borrowed music in films may influence the cultural significance of that music.

Prerequisite(s) No prerequisites will be necessary, but knowledge of basic classical music genres will be helpful.

Cost(s) None

April Verser, IMSA Staff averser@imsa.edu

Codathon 2017

Part time Morning

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. There will be productive but fun events, with some unique food provided to keep things interesting. 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.

Prerequisite(s) Some programming experience required (CSI, OOP, Web Tech or other).

Cost(s) \$10 per student for snacks.

Namrata Pandya, IMSA Faculty npandya@imsa.edu

Omar Aldawud, IMSA Faculty aldawud@imsa.edu

Crisis Management for Business Leaders

Part time Morning

Students assume leadership roles as CEO, CFO, CMO, CTO, head of HR, etc. and face a series of crises as small leadership teams. Crises are chosen from current real world cases (like Wells Fargo) that demand careful decision-making and leadership. Decisions may strengthen or weaken a business. The objective is to make well-informed decisions drawing on personal and corporate values, problem-discovery, accurate understanding of circumstances and possible consequences. As with most business crises, there is no one right decision to be made. The processes of information gathering, decision-making and the merits of the decisions proposed are examined in depth with insights from a seasoned business leader.

Prerequisite(s) None

Cost(s) None

Moises Goldman, Outside Advisor
Carl Heine, IMSA Staff heine@imsa.edu

Engineering--The Basement Tapes

Part time Morning

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.

Prerequisite(s) None

Cost(s) None

Peter Clancy, IMSA Faculty pclancy@imsa.edu

History Behind the Horror

Part time Morning

Humans have been compelled to explain the unexplainable since the beginning of our history. Why does disease spread and take away our loved ones? What happens to our loved ones when they die? How can humans commit such evil deeds? Why do catastrophic events happen? When there are no rational explanations, we invent them -- monsters. We create creatures when the truth is too much to accept - and this is the basis of the horror genre. Students will be submerged into a world of lore and mystery, piecing together primary sources to fuel research into the history behind these horror archetypes. We will use the transcripts and resources from the highly rated podcast "Lore" with the approval of horror author and podcast master Aaron Manhke to guide our exploration into the depths of the horror genre. Students will write a narrative to explain the events in their primary sources, and then produce a podcast episode for publication to share their research.

Prerequisite(s) None

Cost(s) None

Megan Scherer, IMSA Staff mscherer@imsa.edu
Carolyn Harvey, IMSA Staff charvey@imsa.edu

Mathematica! (software)

Part time Morning

Make great graphs! Solve difficult equations! Animations! Data analysis! Calculus! Chemical molecules! Music! 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. No previous experience with Mathematica or with other programming is required, though students need to be willing to do some independent work and spend many hours at their computers.

Prerequisite(s) MI 3, and MI 4 is helpful.

Cost(s) None

Ruth Dover, IMSA Faculty dover@imsa.edu

Mobile Health and Innovation in Healthcare

Part time Morning

Through this course, we will begin by exploring design thinking and biodesign in healthcare. The course will be a project-based course. Students will gain an understanding of the many challenges currently facing the healthcare arena and will pick a challenge area to work on. Presentations will be given to help students understand the current trends and opportunities in mobile health. Students will work in teams to identify a problem of interest to them, craft a needs statement, and design a potential solution to their chosen problem. The class will conclude with student presentations on their designs. We will also spend some time exploring the role of innovation in healthcare, looking at how big data, artificial intelligence, and mobile technologies are improving quality of life and care delivery on a global level. A background in programming is not needed.

Prerequisite(s) None

Cost(s) None

Navika Shukla, Class of 2013 penguine201@gmail.com

Shivali Shukla, IMSA Student

Music Performance! Contemporary, Classical and Broadway!

Part time Morning

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 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.

Prerequisite(s) Intermediate performance ability

Cost(s) None

Mary Beth McCarthy, IMSA Faculty mmccarthy@imsa.edu

Emily Sites, IMSA Faculty esites@imsa.edu

Nuclear Weapons and WMDs

Part time Morning

Offered every other year. Students will learn some of the physics and material science behind nuclear weapons, their destructive effects, which countries possess them, how to defend against them, and what other Weapons of Mass Destruction exist (not Zombies, sorry.) Through lectures, films, discussions, and presentations, we'll explore both the mechanics behind and societal impact of having our collective finger on the button.

Prerequisite(s) None

Cost(s) None

Eric Engelhard, Class of 1996 caliban1717@gmail.com

Robotics 101 for Fun

Part time Morning

Robotics 101 for Fun!!!! Come learn and explore the basics of robotic programming and mechanical design. Become part of a team that will build and program an autonomous LEGO Mindstorms robot to complete a variety of tasks ranging from simple movement to those involving robotic arms and sensors. Students will learn engineering and programming of robotics using First Lego League games and challenges. The GREAT THING IS, you DON'T NEED PRIOR EXPERIENCE with either LEGOs or robotic programming. All you need to do is have a creative spirit and like to collaboratively solve problems.

Prerequisite(s) None, open to those who are new to robotics and want to have fun.

Cost(s) None

Norman "Storm" Robinson, IMSA Staff jquiles@imsa.edu

Science, Military Technology, and Ethics

Part time Morning

This intersession will cover the scientific, military, political, and ethical considerations of a small number of topics such as nuclear weapons, use of drones, and the evolution of military capabilities. A significant amount of time will be set aside for students to work in smaller groups to develop solutions to problems or issues relating to the topics covered. This will be followed by the full class discussing the solutions developed by the smaller groups.

Prerequisite(s) None

Cost(s) None

Eric Hawker, IMSA Faculty ehawker@imsa.edu

Lee Eysturid, IMSA Faculty leysturl@imsa.edu

Songwriting

Part time Morning

Calling all budding songwriters! This class offers a brief introduction to the craft of songwriting. We will examine the interplay of words and music, harmony and accompaniment that have made this art form so influential for thousands of years. As part of the course, students will each write a song (lyrics, music, and arrangement), receive individual support and feedback in the composition process, and perform and record their song.

Prerequisite(s) Students should be proficient at an instrument (which may include voice) and should be comfortable reading and writing music.

Cost(s) None

Peter Dong, IMSA Faculty pdong@imsa.edu

Daniel Collins Class of 2015 dcollins@imsa.edu

Star Wars: Philosophy and History

Part time Morning

Since Star Wars made its historic debut in 1977, its world, characters, and "religion" have ignited the imagination of the movie-going public, including those who count themselves as academics. This intersession will explore the many historical events, inventions, and philosophies that helped shape George Lucas' vast galaxy, and consider the ways this pop culture property has created a new kind of social and political awareness in its fandom. Students familiar with all seven of the Star Wars films will find this course easy to step into, but even newcomers to this war-torn world can find easy footing in the class if they have a passion for the social sciences, literature, and the arts. The final class meeting will include a screening of The Empire Strikes Back, and each class meeting will actively connect the characters, images, and ideas of the Star Wars universe to a different topical context.

Prerequisite(s) A small amount (less than 30 pages) of scanned readings may be distributed to students in advance of the course, to be read before the first meeting in January. Students familiar with the Star Wars films (1-7) will likely both enjoy and understand the course more than those without prior knowledge of the series.

Cost(s) None

Eric Smith, IMSA Faculty esmith@imsa.edu
Tracy Townsend, IMSA Faculty ttownse@imsa.edu

Swimming for a Lifetime of Fitness

Part time Morning

During this week, we will work on the four competition strokes, backstroke, butterfly, breaststroke, and freestyle, as well as the two survival strokes, sidestroke and elementary backstroke. Students will start the session by watching video of the skills that we will work on in the water that day. Then we will head to the pool to develop these skills and have some fun time for games at the end of each session.

Prerequisite(s) None

Cost(s) None

Brooke Schmidt, IMSA Faculty bschmidt@imsa.edu

The Films of Wes Anderson

Part time Morning

Wes Anderson is an epochal fixture in the film industry, best known for writing and directing independent hits such as *The Royal Tenenbaums* and *The Grand Budapest Hotel*. Students in this intersession will learn about pre and post production aspects in film, an introduction into film history and theory, with a focus on the way Anderson makes use of them and incorporates them into his movies. Classes will be discussion based and involve applying the concepts learned into an analysis of Anderson's works, culminating in a final review, script, or video. Students do not need to have any previous knowledge about the movie making or the film industry, only an open mind and an interest in learning about one of the most iconic directors of his time.

Prerequisite(s) Students who take this intersession should have watched the following film prior to the beginning of Intersession Week: *Fantastic Mr. Fox*.

Cost(s) Students will need to buy, rent, or borrow the film in advance – used purchase price less than \$10.

Carson Goffinet, IMSA Student
Rebecca Xun, IMSA Student
Adam Kotlarczyk, IMSA Faculty Sponsor akotlarczyk@imsa.edu

The Internet and Linux Systems – Beginner

Part time Morning

Do you plan to pursue graduate school in a hard science? Much of today's science is based on computer models, and most of those advanced models are run on Linux clusters. Many new grad students discover they have no idea how to use the systems they need to pursue their degree only after they arrive. Become more comfortable with Linux systems now and learn basic concepts and tools common to all Unix variants. Spend time hands-on with the command-line/shell and use it to explore and create simple web pages and email from scratch. Learn about core Internet services everyone uses and how they really work.

Prerequisite(s) No experience with Linux, Unix, or programming is expected or necessary. Students must bring laptop each day of class.

Cost(s) None

Kevin Colby, Class of 1995 colbykd@purdue.edu

The Physiology, Culture and Rituals of Death

Part time Morning

Death is a source of morbid fascination for most of us, and this intersession aims to address the culture and rituals of death as well as the physiology of our last moments in terms of the organ systems. Students will research and discuss funeral practices for different cultures and try to reason why these

practices are different and whether the outcome is the same. Students will also watch clips from modern movies which portray some of these rituals. The physiology of death will be discussed at length in the context of these practices and reference will be made to modern day incidents. Students will also have a chance to portray their take on these different rituals.

Prerequisite(s) None

Cost(s) Students will pay \$5 to cover snacks on the last day.

Sowmya Anjur, IMSA Faculty sanjur@imsa.edu

Understanding China through Pastimes and Movies

Part time Morning

This intersession is intended to develop understanding on the culture of modern China. The central idea is to use a selection of films and 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. We will introduce Mahjong and Karaoke. We will also watch films, placing each film in historical, cultural and social context. Students will develop cultural competency through comparing and contrasting US and Chinese cultures in depth.

Prerequisite(s) None

Cost(s) \$10 per student to cover snacks and materials.

Yinshun Wang, IMSA Faculty, laoshi@imsa.edu

Michelle Cheng, IMSA Faculty mcheng@imsa.edu

Vetting Chemistry Labs

Part time Morning

In this intersession students will help teachers determine whether or not the labs they have always wanted to try are worthwhile. Students will carry out a variety of lab experiments to determine if they are reliable, give reproducible results and effectively teach important concepts. Students will suggest modifications and provide important feedback on these labs, which will be used to improve them. This will teach the students important lab skills and help them understand the importance of careful observations, data collection and measurement. The labs will cover a variety of topic areas including both inorganic and organic chemistry.

Prerequisite(s) None

Cost(s) None

Deb Scarano, IMSA Faculty dscarano@imsa.edu

Anita White, IMSA Faculty awhite@imsa.edu

Zombology 101

Part time Morning

Have you ever wondered if you could survive the zombie apocalypse? How fast do they move? How does a zombie spread its infection? Learn the answers to these questions and more in Zombology 101. This intersession will explore the cultural and scientific realities surrounding the creature known as the zombie.

Prerequisite(s) None

Cost(s) None

Michael Dean, IMSA Faculty mdean@imsa.edu

Crystal Randall IMSA Faculty crandall@imsa.edu

**PART TIME SESSIONS, Afternoon
1:00 PM – 4:00 PM**

A to Polska właśnie... Exploring Polish language and culture

Part time Afternoon

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 also explore different aspects of Polish culture and Polish contribution to science, literature, modern society and entrepreneurship. 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.”

Prerequisite(s) None

Cost(s) None

Agnieszka Michalak, IMSA Faculty amichal@imsa.edu

AquaLabs: Diving into one of the world’s deepest problems

Part time Afternoon

Turn on the shower and you’re greeted with a relaxing stream of hot water. Ever need a drink? Simple, just head over to the water fountain. But have you ever wondered about the issues that the rest of the world faces with water? Over the course of AquaLabs, students will be introduced to the Grand Challenge of Water. The Grand Challenges are issues that the U.N has established as needing solutions in the near future, and water scarcity in particular impacts millions of people per day. Specifically, students will examine a very specific issue in a very relevant area: agricultural irrigation in Punjab, India. Students will explore agricultural irrigation through the context of subjects such as economics and engineering and critique solutions for the current agricultural water infrastructure of Punjab. Finally, they will submit their own recommendations on how to improve upon these solutions, picking up a variety of hard skills along the way such as communication and logic. By the end of the Intersession, students will present as a whole class to students, teachers, and other invited guests demonstrating the work and research that they’ve done over the course of the week.

Prerequisite(s) Session only open to sophomores.

Cost(s) None

Don Dosch, IMSA Faculty ddosch@imsa.edu
Deb Scarano, IMSA Faculty dscarano@imsa.edu
Evan Sun, IMSA Student
Akash Palani, IMSA Student
Zach Ungerleider, IMSA Student
Rebecca (Becky) Mathew, IMSA Student
Lucy Liu, IMSA Student
Abhiudaya Bhalla, IMSA Student

Balsa Bridge Design, Building, and Testing

Part time Afternoon

This will be a very "hands-on" class. The first day of Intersession students will research basic design principles and design their bridge. Students will learn about compression, tension, and how triangles distribute these forces to add strength to bridges. The next three days will be spent building a bridge out of balsa sticks and glue. On the last day of Intersession, students will test the strength of their bridges in a "Bridge Bust" competition; bridges will be judged for their appearance/design and tested for strength. Note: students who wish to keep their bridge rather than have it tested for strength (which breaks the bridge) will be allowed to do so.

Prerequisite(s) None

Cost(s) None

Dave DeVol, IMSA Faculty ddevol@imsa.edu

Baseball Analytics

Part time Afternoon

Since before the publication of Moneyball in 2003, Major League Baseball teams have leveraged statistical analysis to gain an edge over each other in an increasingly lucrative business. Now most teams have staffs of full-time quantitative analysts. In this intersession we learn the fundamental concepts of sabermetrics, the statistical analysis of baseball. Topics include evaluation of batters, pitchers and fielders, as well as managerial decisions. Students will learn how to use the statistical programming language R to conduct their own analyses of real baseball data.

Prerequisite(s) There are no formal prerequisites. While no experience with programming is required, it is important that enrolled students have a willingness to learn R as this will be the basis of many exercises. Students should bring their laptops.

Cost(s) None

Scott Powers, Class of 2007 sspowers@stanford.edu
Christopher Jones, Class of 2002 cjones@cubs.com
Quintin Backstrom, IMSA Staff Sponsor qback02@imsa.edu

brandME

Part time Afternoon

The "brandME" session is offered to all IMSA students and is held at IN2. Everyone needs a strong, well-crafted personal profile that tells the world what kind of person they are and displays the skills, strengths and experience they possess. As you transition from your education to a career, it is important to craft your brand to align with your goals and influence the world around you. brandME will teach you how to present that brand in a visual format that gains attention and supports your message. brandME sessions includes 1) Fundamentals of a professional portfolio 2) Developing your brand through Social Media and 3) Career Exploration through "Life Journey" and online career assessments program.

Prerequisite(s) Students must bring a resume and have an active Linkedin account. Laptops required.

Cost(s) None

Betty Hart, IMSA Staff bhart@imsa.edu

Five Pieces of Music in their Historical Context

Part time Afternoon

We will essentially travel from the Mississippi Delta to West Germany, from Africa to Chicago, mix with peoples from many different traditions, and pick up along the way a synthesizer, a turntable, a saxophone, a microphone, and an out of tune piano in order to understand five pieces of music (one classical, one jazz, one rock, one rap, and one electronic) and analyze them for their influences and the historical forces at work in shaping them.

Prerequisite(s) None

Cost(s) None

Eric Smith, IMSA Faculty esmith@imsa.edu

From Swift to Strangelove or: How I Learned to Stop Worrying and Love the Satire

Part time Afternoon

Satire is no laughing matter. As one of the oldest and richest forms of social criticism, it deserves the sort of serious academic study that only Intersession can provide. In this course, students will delve into the world of satire by exploring notable examples of this complex and often paradoxical form of expression in a variety of media. Much of our discussion will hinge upon Jonathan Swift's famous prose satire Gulliver's Travels, which will provide an historical and literary basis for the class. In addition to this text, we will also study more contemporary examples to help elucidate the various political, musical, and cultural modes of satire. Potential candidates include: Stanley Kubrick's Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb, Gilbert and Sullivan's The Pirates of Penzance, Mel Brooks' Young Frankenstein, Monty Python, National Lampoon, Saturday Night Live, South Park, Stephen Colbert, and, of course, The Onion. Throughout the course, we will consider the role which various techniques, such as

irony and sarcasm, play in defining satire, as well as its place in society. To round out the week, students will be asked to create their own piece of satire utilizing what they have learned.

- Prerequisite(s)** Strong general knowledge and a familiarity with current events are helpful, but not necessary. At a minimum, students should be comfortable discussing subjects ranging from politics and history to music and film.
- Cost(s)** Students will be responsible for obtaining and reading a copy of Jonathan Swift's Gulliver's Travels by the start of class. Dr. Hancock has numerous copies available in his office that may be picked up and signed out before Winter Break.

Daniel Collins, Class of 2015 dcollins@imsa.edu
Michael Hancock, IMSA Faculty mhanc@imsa.edu

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

Part time Afternoon

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.

Join us for an interactive intersession with games, videos and fun activities on developing a happier and more positive mind-set to achieve the extraordinary in our work and in our lives.

- Prerequisite(s)** None
- Cost(s)** \$35 for Book, CD and Workbook

Corey Hornbeck, Class of 2013 coreytyron@gmail.com
Dr. Sudesh Kannan, IMSA Alumni Parent sudesh@meditation-magic.com

Introduction to Agile: Modern Practices for Software Development

Part time Afternoon

One of the greatest challenges facing today's developers in technology is getting users the right product at the right time. If you take a year to develop a new piece of software, you're already behind the latest hardware, languages, and practices by the time you deliver it to a user. Not only that, the needs of users change frequently in modern, dynamic industries. Software companies throughout the world use Agile development practices to meet these challenges by encouraging collaboration, teamwork, and responsiveness to change. In this session, students will be immersed in key Agile experiences, with an emphasis on Scrum, and learn how to apply these practices in their own projects. This session is open to students of all interests - no experience in computer science necessary!

- Prerequisite(s)** None
- Cost(s)** None

Sharon DeCaro, Class of 2003 asliceofpi@gmail.com

Introduction to Human-Centered Design and Social Impact

Part time Afternoon

The practice of design encompasses a powerful set of tools for understanding human behavior and how to affect it. Traditionally, the practice has been applied to product design, but the scope of its application has broadened to services, digital platforms and addressing social issues (also known as “wicked problems”). This course offers an introduction to design and its application in addressing social issues. We will cover the basics of human-centered design, including research, brainstorming, prototyping, and iteration. We will also discuss: in which contexts design can be useful for creating social change, how social systems can be visualized and mapped, what co-design is, and how non-traditional design tools like role play and improv are relevant in these contexts.

- Prerequisite(s)** None
- Cost(s)** None

Alex Surasky-Ysasi, Class of 2003 suraskya@gmail.com

Introduction to Makerspace Technology

Part time Afternoon

This intersession will familiarize learners with the fundamental technology skills used in a Makerspace. Activities will be broken up by day, with each day focusing on learning a new aspect of maker technology. We will cover 3d modeling, designing for 3d printing and CNC machines, microcontroller familiarization with the Arduino platform, electronic circuit design for computers, and also dedicate a day to open making time utilizing skills learned during this intersession. Students will finish this intersession with a general command of abilities needed to fully experience what a Makerspace offers. Additionally they will get a chance to take home some of the things they make throughout the week.

Prerequisite(s) None

Cost(s) None

Erik Swanson, IMSA Staff eswanson@imsa.edu

Lies, Damn Lies, and Statistics: How to Make Your Data Say Whatever You Want

Part time Afternoon

Modern science is built on a foundation of rigorous statistical analysis, which adds reliability and objectivity to scientific results. Unfortunately, it also makes scientific analysis much more complicated, leaving ample room for mistakes – both accidental and deliberate – that change the meaning of the data. This is often exacerbated by the media and by politicians, resulting in widespread misunderstanding of science. This course examines a variety of methods used to obscure, distort, or misrepresent scientific data, such as statistical errors, disingenuous graphs, and deliberately misworded statements. Students will learn to think twice before accepting the findings of a published study – especially if it's in a newspaper article.

Prerequisite(s) None

Cost(s) None

Joseph Traina, IMSA Faculty jtraina@imsa.edu

Peter Dong, IMSA Faculty pdong@imsa.edu

Pixels and Plot Points: Thinking Critically about Video Games as Art and Literature

Part Time Afternoon

Ever since the 1970's video games have been captivating children and adults alike, transcending culture and traditional forms of expression. As an artistic medium they have come a long way from the days of Pong, and are now one of the most sophisticated and involved forms of expression. In this course we will take a look at independent video games not for the source code, but for the story, art, and sources of inspiration. This will be a discussion heavy week focusing on interpretation of narrative, world-building, and characterization. We will use these literary constructs to further deconstruct ideas of self and the role of story in culture and societal evolution.

Prerequisite(s) It is required to be familiar with the following games: The Stanley Parable, Bastion, Fez, Zork, and Fallen London. There will also be some short reading assignments sent out during Winter Break.”

Cost(s) It is highly encouraged that students play through the prerequisite games themselves, since their plots will be discussed heavily and participation is expected. Students are responsible for obtaining these games on their own, at an estimated cost of \$45, though sales at websites like <http://store.steampowered.com/>, <https://www.gog.com/>, and <https://www.humblebundle.com/store> may lower that price. If actually playing the game is not an option (for monetary or other reasons), playthrough and Let's Play videos are available online. A list of recommended playthroughs will be made available to students.

Andrew Adams, Class of 2016 aadams13@hawk.iit.edu

Christoph Eckrich, Class of 2016 ceckrich@andrew.cmu.edu

Tracy Townsend, IMSA Faculty Sponsor ttownse@imsa.edu

Power Pitch Sprint

Part time Afternoon

Prepare and practice your pitch for a new STEM product or service. As a result of this session, you will have a competitive pitch ready for the upcoming season of business idea pitch contests, including IMSA's Power Pitch. Come with an idea or discover one during this sprint (defined by business as a set period of time during which specific work has to be completed and made ready for review). Work with end users and mentors to refine your product/service and pitch. Individuals and teams may participate.

Prerequisite(s) None

Cost(s) None

Carl Heine, IMSA Staff heine@imsa.edu

Science Olympiad Events

Part time Afternoon

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 all the events for the 2016-2017 season.

Prerequisite(s) None

Cost(s) None

John Thurmond, IMSA Faculty jthurmond@imsa.edu

Angela Ahrendt, IMSA Faculty aahrendt@imsa.edu

Ray Urbanski, IMSA Staff rurban@imsa.edu

Scientific Illustration

Part time Afternoon

Illustration will offer students an opportunity to understand the importance of hand drawing skills in a variety of both engineering and science fields. The course will introduce the history of and techniques which were put into action by Leonardo daVinci, Charles Darwin, Audubon and the Wright Brothers. The technical hand drawing skill, which will be taught, will be put into the course in a way that could not be accomplished in any other art course or science course. The intersession course will offer drawing in proper perspective, drawing bridges, buildings, plants, animals, and how to create call-out (image within an image) images.

Prerequisite(s) Students cannot enroll in an evening session for their other half-time as they will be returning later on Tuesday due to a trip to the Field Museum.

Cost(s) Approximately \$19 for Field Museum entrance fee

Joyce Symoniak, IMSA Faculty jsymoniak@imsa.edu

Small Screen America: TV, Cultural Stereotypes, and Perceptions of Identity

Part time Afternoon

Small Screen America examines how television, as a pervasive medium in the American household, affects the way individuals see and think about each other. This intersession will focus on ways in which TV programs such as in the 21st century perpetuate and challenge ethnic, class, gender, and other cultural stereotypes. Students will consider how audience interpretation of these stereotypes feed into ideas about identity and belonging. The goal of this intersession is to promote critical thinking about how images we see and messages we hear on TV shape our perceptions and attitudes about different groups of people. Tentative list of TV shows to be reviewed: Blackish, Fresh Off the Boat, Modern Family, Little Mosque on the Prairie. This list can be further developed in agreement between the instructor and students during the first day of the intersession.

Prerequisite(s) None

Cost(s) None

Kitty Lam, IMSA Faculty klam@imsa.edu

Storytelling and Games

Part time Afternoon

Without stories behind them, games are just weird combinations of rules in weird boxes. In this intersession, students will explore different games that help hone their ability to craft compelling stories: skills that will make their speaking and writing more engaging as well. Students will work in teams to develop their own games, learning valuable user testing skills throughout the week. Come play and learn with two eccentric IMSA alumni!

Prerequisite(s) None

Cost(s) None

Vinesh Kannan, Class of 2015 v@hawk.iit.edu

Sunny Shah, Class of 2014 sunnyshah1000@gmail.com

Erik Swanson, IMSA Staff Sponsor eswanson@imsa.edu

Sue Fricano, IMSA Staff Sponsor sfricano@imsa.edu

The Internet and Linux Systems – Advanced

Part time Afternoon

This is NOT a continuation of the Beginner section. Students need not have taken the Beginner section previously. This will cover many of the same topics, but is geared for those intending to pursue a degree in a computer-related field. Review tools common to all Unix variants and explore tips and tricks for using them in shell scripts. Learn about core Internet services everyone uses and how they really work. We will cover everything from DNS, TCP/IP, and email to dynamic generated web pages and REST web services.

Prerequisite(s) Experience using some programming or scripting language is required. Students must bring a laptop every day.

Cost(s) None

Kevin Colby, Class of 1995 colbykd@purdue.edu

The Mathematics of Card Games

Part time Afternoon

The focus of the intersession will be on playing card games and developing strategies for winning games. We will also cover mathematical background on the games with some brief discussions of topics in probability, game theory, and/or combinatorics. Knowledge of how to play specific card games is not necessary; we will teach the rules to the games we play. Students will also have the opportunity to work in groups developing their own new game, and on the final day will present their game to the class followed by some time for everyone to try each other's games.

Prerequisite(s) None

Cost(s) None

Jakob Kotas, Class of 2005 jakobkotas@gmail.com

Meghan Murphy, Class of 2005 meghan.9@gmail.com

The Secrets of the Rubik's Cube

Part time Afternoon

Have you ever been stumped by a Rubik's Cube? If you want to put an end to the frustration, this is the intersession for you! In addition to learning its solution, we will be exploring different "impossible" feats of the cube, including sub-10-second speedsolves, blindfolded solves, and higher order solves. We will also be talking about similar puzzles, famous cubers, as well as other aspects of cube culture. Join us for a fun week!

Prerequisite(s) All participants must bring a functional 3x3x3 Rubik's Cube.

Cost(s) None

Lucas Urbanski, IMSA Student
Joe Mastrocola, IMSA Staff jmastrocola@imsa.edu

Time Travel Through Film and Story

Part time Afternoon

We'll begin to explore time travel from the perspective of real-world science, and give a brief overview of the possible physics behind theories of time travel, and what the real-world limitations are. Then we'll dive into exploring time travel through film, television, and short story, breaking down and categorizing the different "rules" of time travel. We'll examine a wide variety of portrayals and decide for ourselves what the most plausible means and rules of time travel are. We'll also discuss humanity's enduring fascination with time travel. Three short stories will be required reading, and there will be a brief presentation on the final day.

Prerequisite(s) None

Cost(s) None

Eric Engelhard, Class of 1996 caliban1717@gmail.com

Trick Taking Card Games

Part time Afternoon

We will learn and play many four person trick-taking card games that use strategic/logical thinking. Students will be active in learning, then playing games such as Euchre, Scat, Five-Hundred, Spades, and others depending on student interest. Strategies specific to certain games and those that are common to many games will be discussed and used. Students will learn about trumps, finesse, leads, signaling to partner, card counting, cross rough, bowlers, and other ideas.

Prerequisite(s) None

Cost(s) None

Steve Condie, IMSA Faculty scondie@imsa.edu

PART TIME SESSIONS, Evening 6:30 PM – 9:30 PM (except for trip off-campus)

Chicago Theater

Part Time Evening

Students will be going to see professional theatrical performances in Chicago. We will be seeing 5 shows at different venues to give students exposure to a wide variety of professional theatres. Monday night: Men on Boats at the American Theater Company Tuesday night: Live Improv Wednesday night: Mr. and Mrs. Pennyworth at the Looking Glass Theater Thursday night: The Christians at Steppenwolf Friday night: Cymbeline at Strawdog Theater During the bus rides, we will be discussing elements of theatrical performance and how preconceived notions impact how we experience live theater. As all shows are in Chicago, we will be leaving campus at 5pm and returning at approximately 11pm.

Prerequisite(s) None

Cost(s) Approximately \$100 for 5 tickets

Devon Madon IMSA Faculty dmadon@imsa.edu
Julie Dowling IMSA Faculty jdowling@imsa.edu

Cloud Computing: Learn to code using Amazon Web Services (AWS)

Part Time Evening

Cloud Computing allows you to run your code and store your data without having to set up your own physical boxes, and without any long-term commitments. You simply pay for what you need as you need it. Run servers by the hour, have fast, reliable file storage by the GB, and set up databases large and small with only a click! You can even set up web services without any servers! Companies large and small, including Netflix, General Electric, NASA, and many others have moved to Cloud Computing. In

this session, you will get hands-on experience with Cloud Computing in the form of Amazon Web Services (AWS). Using services such as Elastic Compute Cloud (EC2), Simple Storage Service (S3), AWS Lambda, Relational Database Service (RDS), Virtual Private Cloud (VPC), and others, you will build and run your code in the cloud, gaining valuable Cloud Computing experience.

Prerequisite(s) Students should have some familiarity with programming in Java, Python, Ruby, or similar.

Cost(s) None

Oscar Cwajbaum, Class of 1993 oscarc@oscarc.net

Going Viral in Silico Valley

Part Time Evening

As a lone virus spreads from single cell to human population, it twists and shifts its environment to ensure survival. Here, we'll be taking a look at virology and epidemiology through the lens of computation. How can the spread be modeled? What tools and programs can we use to analyze these systems? Through a week of project-based learning, students will have the opportunity to experience the tools used at forefront of computational biology and bioinformatics. Groups will investigate one of four major areas related to virology: immunology, epidemiology, bioinformatics, and virus/cell interactions. They will model virus and cell interactions, analyze large genomic datasets, and explore the spread of viruses in the global community. By the end of the week, students will create a presentation encompassing work done in the four areas and share their work with the student body.

Prerequisite(s) Session only open to sophomores.

Cost(s) None

Donald Dosch, IMSA Faculty ddosch@imsa.edu

Crystal Randall IMSA Faculty crandall@imsa.edu

Yugan Sakthi, IMSA Student

Evan Sun, IMSA Student

Akash Palani, IMSA Student

Haunted Past and Haunted Places: A Look at Ghost Stories and Illinois' Haunted History

Part Time Evening

Did you know that Chicago is the 8th most haunted city in America? This intersession will focus on ghost stories and folklore in and around the Chicago area. We will read a variety of ghost stories, examine the literary elements, structure and characteristics of ghost fiction, and look at Chicago's history as it relates to local ghost stories as well as ghost stories from other cultures. We may also examine how ghost stories translate to film. Students will be involved in at least one presentation connecting local history to ghost stories. This mini-course will include one field trip to Chicago for a guided ghost tour. This intersession is not for the faint of heart . . . prepare to be frightened!

Prerequisite(s) None

Cost(s) Approximate cost is \$90 per student which includes a reading packet, ticket on the Chicago Hauntings Tour (guided tour downtown Chicago) and fee for a lecture by renowned Chicago ghost expert Ursula Bielski, and possibly a second local tour.

Erin Micklo, IMSA Faculty emicklo@imsa.edu

Leah Kind, IMSA Faculty lkind@imsa.edu

Law School 101: Everything You Always Wanted to Know But Were Afraid (Or Didn't Know) to Ask

Part Time Evening

Let's face it. The "law" is pretty mysterious to most people, largely because lawyers have conspired to maintain it that way. To be sure, the full scope of the law is too voluminous and complex for any one person (even the most knowledgeable lawyer) to know. But everybody can learn something about the law. To understand and apply the law at the advanced technical level that attorneys do requires substantive professional training; but to understand the basic substance of the law does not. And that is the purpose of Law School 101. In this course, you will learn the basics of the law--the rules, arguments, and principles that attorneys and judges use to shape and determine the outcome of cases (both criminal

and civil). Additionally, you will learn the basics of the fundamentals of the legal topics every young (and old!) adult should know, such as: * The First Amendment and Free Speech * Contract Law (the class will jointly draft a contract) * Criminal Law (culminating in a mock trial) [NOTE: During this topic, we will discuss current social justice issues such as police brutality, rioting, and equity issues in the criminal justice system) * Intellectual Property Law * Employment Law * Anything else you want to know and we have time to fit in! There is no way that we can cover all of these topics in detail, nor all of the legal topics available, but you will leave this course with a better understanding of the basics of how the law works and how to apply it in a very practical way to your own life. Finally, as a bonus, each student will receive a copy of an E-book I wrote a couple of years ago entitled "Top 10 Legal Issues: The Stuff That Stalls Startups!" This might come in handy for any of you considering owning your own business some day. My freebie to you.

Prerequisite(s) None

Cost(s) None

Traci D. Ellis, IMSA Staff tellis@imsa.edu

Full Time Off-Campus

Explore the 'aina - Intersession Trip to Hawai'i – CLOSED SESSION

Full Time Off Campus

Hawai'i is a beautiful state with a very unique history and culture. This is a chance for students to explore all it has to offer from January 4th-13th. During this intersession, students will visit the island of Oahu in order to study 1) Polynesian culture, 2.) American History, 3.) Agriculture, 4.) Ecology. Students will spend the first two nights in the mountains at Waianae working with the Malama Learning Center (MLC), a non-profit groups that teaches about sustainable living. MLC will work with students on projects relating to erosion mitigation and habitat protection. At the Polynesian Cultural Center, students will learn about the different Polynesian islands through dance, song, food, and live demonstrations. At Dole Plantation, students will learn about Hawaii's agriculture and farming industry. They will also have the opportunity to take positive risks by navigating through the world's largest maze. At the Pearl Harbor memorial, students will learn about the "Day that will live in infamy" by visiting the location of Pearl Harbor and going through an audio tour at the U.S.S. Arizona. Additionally, students will visit Iolani Palace and learn about Hawaii's unique history into statehood. Lastly, students will get to learn about underwater life from a new perspective by going on a submarine tour and a whale watching excursion. In addition to these attractions, students will experience the differences of Hawaii's tourism industry and the local community. Students will complete a community service project to help the homeless population in Hawaii. A write up about the entire learning experience will be due on the 14th of January.

Prerequisite(s) Students must have the ability to walk for 2.5 miles for a hike where they will be identifying various plants.

Cost(s) Approximately \$2,500 per student

Kandyce Baker, IMSA Staff kbaker1@imsa.edu
Sarah O'Leary-Driscoll, IMSA Faculty soleary@imsa.edu

French Immersion in Québec, Canada

Full Time Off Campus

French immersion trip to enhance student cultural awareness and linguistic skills. We will spend approximately 1 week in Québec City which will expose students to authentic French culture and native speakers. We are also looking into the possibility of having an exchange with a local high school.

Prerequisite(s) As this is a full-immersion trip, students need to be currently enrolled in or have taken French at IMSA, or be able to participate fully in a French-speaking only intersession. Students will complete an application committing to maintaining an immersive environment.

Cost(s) \$2,300 maximum per student.

Fiona Spence, IMSA Faculty fspence@imsa.edu
Nadia Miskowiec, IMSA Faculty nmiskowiec@imsa.edu