

INTERSESSION 2014

CATALOG OF OFFERINGS

NOTE ON INTERSESSION 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

Goals of the week: • Help students identify factors that are impeding their mathematical success • Identify and support areas of weakness (Mathematical content needs will be individually assessed and addressed.) • Provide opportunities for students to have fun in math – work to restore their enjoyment and confidence levels with math • Help students formulate a written plan of study habits and strategies that can be monitored for effectiveness in the upcoming semester/course • Communicate this plan, in writing, to spring semester math teacher. Formulate a system of follow-up and monitoring through Barb Miller's office.

Prerequisite(s) Who should take? • 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 Intersession 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
Don Porzio, IMSA Faculty

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

Microcontroller Robots

Full time Morning/Afternoon

In this intersession, students will build robots controlled by their Phones and computers using an Arduino-compatible microcontroller. At the end of the week, students will exhibit their robots.

Prerequisite(s) Programming experience is helpful but not necessary

Cost(s) None

Brian Baker, IMSA Class of 2005
Thomas Houlahan, IMSA Class of 2005
Diane Hinterlong, IMSA Sponsor

Food to Share / Eating Together

Full time Morning/Afternoon

Students will be engaged in cooking food for a group meal every day, and also in the preparation of hors d'oeuvres for the student art show opening on the last day of intersession, which they will cater. The recipes we use will feature ingredients, flavors, and cooking styles of the cultures/countries represented in IMSA's World Languages Team: China, France, Germany, Japan, Russia, and Spain and Latin America. We will also make ice cream—a perennial favorite, using non-traditional ingredients. The primary focus for students will be food preparation, but they will also be engaged in all aspects of planning for the exhibit opening event, such as publicity and invitations, posters and signage, and event set-up and serving the food.

Prerequisite(s) None

Cost(s) \$25.00 - \$50.00 per participant for the cost of the session food

Jonathan Besancon, IMSA Faculty
Jean Bigger, IMSA Staff

Product Research, Design and Innovation

Full time Morning/Afternoon

Everyone comes up with a great idea, but not every great idea comes to fruition. What is the differentiator? It is being able to understand a process that includes research, design methods, and how to use both of these to make the idea even more innovative. You will get the chance to work through designing a product (virtual such as a web application or physical such as a band aid dispenser). You can come to the table with an idea you already have, or work on finding an opportunity through research. Be prepared to use all parts of your brain, scientific and creative. You will be researching, sketching, prototyping, and a little of brand and marketing. This intersession will be taught from the designer's perspective, but anyone wanting to learn more about the product creation process can benefit from this workshop.

Prerequisite(s) None

Cost(s) \$10.00 per student or less. Use of a 30 day trial of software possibly, depending upon the number of students.

Brittanie Crain, IMSA Class of 2005
IMSA Sponsor TBD

Martial Arts Training Camp

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 an optional dinner outing. The Intersession will conclude with a 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, \$7 for a cup & supporter (men only), and a \$20.00 equipment fee (mandatory). The estimated cost is \$58.00 per female participant and \$65.00 per male participant.

Cynthia Nguyen Dang, IMSA Class of 2003
Jason Lin, IMSA Class of 2013
Dave Evenson, IMSA Sponsor

Behind the Music Video: Audio and Video Production

Full time Morning/Afternoon

Music is one of the most powerful creative means of expression, and holds the power to cheer, inspire, and unite masses of people. Music videos extend this capacity, adding another dimension of creativity. This intersession course covers recording and mastering techniques, storyboarding, editing and production, camera fundamentals, live direction, and more. By the end of the course, students will record and produce their own music video to showcase to friends and family.

Prerequisite(s) Students should have an interest in media production, and should be willing to invest effort in the successful production of their music videos. Experience in music theory or playing an instrument will be helpful.

Cost(s) None

Ryan Eberhardt, Current IMSA Student

Aaron Geldner, Current IMSA Student

Kevin Broy, IMSA Sponsor

Have You Considered a Career in Medicine?

Full time Morning/Afternoon

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.

Prerequisite(s) None

Cost(s) None

Jacob Holton, Former IMSA Swim Coach

Erik Escuro, Outside Advisor

Mark Kammrath, IMSA Faculty

Adam Kotlarczyk, IMSA Faculty

Fundamentals of Contract Bridge

Full time Morning/Afternoon

Students will learn how to play duplicate Contract Bridge. They will learn modern bidding methods and how to play the hands. The sessions will include the play of set hands that illustrate the methods being taught. The final session will be a duplicate bridge tournament.

Prerequisite(s) None

Cost(s) None

Michael Strong, Outside Advisor

Micah Fogel, IMSA Sponsor

Intro to Android Development

Full-time Morning/Afternoon

Consumer software development is increasingly finding focus on mobile platforms, with a large portion of that emphasis on Android development. The purpose of this intersession is to give students an introduction to building apps for Android, starting with basic project setup, and moving on to look at current best practices, open source libraries, and other useful related topics. Ideally the course can be split to include a beginner group that will go over the entire development process for a simple app--one step at a time--over the course of a week (with some general java guidance). Depending on demand, there can potentially be a more advanced group (maybe including students more experienced with programming, java, or android) that can receive guidance building a simple app of their choice. Possibly have teams building their own ideas. Should be put to a vote on the first day.

Prerequisite(s) Familiarity with programming (Java preferred, but knowing other languages can still work well) - Ideally have access to an android device.

Students should bring their laptops each day.

Costs(s) None

Robert Cheung, IMSA Class of 2010
IMSA Sponsor, TBD

Physics of Atomic Nuclei

Full-time Morning/Afternoon

Students will learn background information related to nuclear astrophysics through interactive lectures, conduct discovery based experiments using 3 different radiation detectors, and present their results. Students will learn soldering skills to assemble a Geiger Counter and about computer-detector interface. Students may keep the detector they build and will receive a cable to connect it to their laptop for data logging. Students will also learn how nuclear science impacts society.

Prerequisite(s) Eagerness to learn about nuclear science, detectors, and electronics.
Students should bring their laptops each day.

Costs(s) No Cost. The Joint Institute for Nuclear Astrophysics will cover the cost of materials and supply soldering irons.

Micha Kilburn, IMSA Class of 1995
Rebecca Shane, IMSA Class of 2002
IMSA Sponsor, TBD

48-hour Film Competition

Full time Morning/Afternoon

Creativity is what happens when opportunity and deadlines meet. In this intersession, you will learn the basics of cinematography, story writing, and editing for film. You will then put those skills to use and compete with rival teams in creating your own short film in less than 48 hours!

Prerequisite(s) None

Cost(s) None

James Parkin, IMSA Class of 2010
Ryan Eakins, Outside Advisor
IMSA Sponsor, TBD

Student Inquiry and Research for Intersession

Full-time Morning/Afternoon **or**

Half-time Morning or Afternoon

Please mark form Full-time or Half-time

Students will continue research and data collection and analysis towards completion of their SIR investigations. Students can participate either full-time or half-time.

Prerequisite(s) Students must be enrolled in SIR and be in good standing. Students need permission of SIR coordinator and SIR advisor.

Judy Scheppler, IMSA Staff

Bioinformatics Basics - Microbial Ecology/Genomics

Full time Morning/Afternoon

This class is a basic overview of microbial ecology, comparative genomics, and bioinformatics tools. We will look at the different types of sequence data available and discuss how they are used for comparative genomics and microbial ecology. The final objective for this class is to come up with a project about an area of interest within ecology and design a research method using the techniques we discussed in class. This project proposal will be presented to the class and written up as a 1-page paper.

Prerequisite(s) Microbes and Disease or Evolution, Biodiversity and Ecology

Cost(s) None

Sarah Stevens, IMSA Class of 2007
IMSA Sponsor, TBD

Madrid STEM School Exchange Program Intersession 2014

Full time Morning/Afternoon

This intersession proposal will provide students the opportunity to be active participants in the design, organization and implementation of the first exchange experience between a STEM school in Madrid, Spain and IMSA during March and April of 2014. A group of 8-12 IMSA students will spend their Spring Break (10 days) in Madrid attending daily classes at the Instituto San Mateo (Baccalaureate of Excellence School). During their stay in Madrid, students will travel to nearby cities: Toledo and Segovia, will participate in cultural activities in the afternoon, and will be living with a host family. Spanish students will visit and live in IMSA for two weeks in April, 2014. During Intersession week students participating in the exchange program and/or hosting one of the Spanish students will be part of a team that will plan and organize all the necessary steps and activities for the exchange program at the Instituto San Mateo in Madrid and their guests' stay in IMSA.

Prerequisite(s) Participation in this exchange program will require attendance to the intersession week to organize, plan, and ultimate the necessary arrangements to make this exchange a successful experience for all. Students will receive a detailed program including daily activities for the intersession week.

Students participating in this exchange must be in outstanding academic and residential standing. The exchange trip to Madrid will begin in Friday, March 21, 2014 and last until Monday Mach 31, 2014. However, exact dates will depend on flight cost and availability. The trip is open to Junior and Senior students presently enrolled in Spanish courses. Priority to participate in the exchange will be given to upper class students participating in the intersession week, and/or hosting a Spanish student during the weekend after IMSAloquium April 18-22, 2014.

Cost(s) No cost for the intersession week.
The estimated cost for the trip is \$1,500.00 including: round-trip airfare Chicago-Madrid, meals with the host family, excursions to Toledo and Segovia, tour guides, and entrances to museums.

Maria Atienza-Gabas, IMSA Faculty

Basic Open Water Scuba Certification (PADI)

Full time Morning/Afternoon

Discover the magic and excitement of our underwater world! Scuba diving is a non-competitive sport that can be enjoyed by almost everyone. During this course students will learn about buoyancy, pressure/volume/density relationships, proper scuba techniques, skills, equipment, and our underwater world.

Prerequisite(s) Must be able to swim comfortably. Must borrow or purchase appropriate personal equipment: mask, snorkel, boots, fins. Pre-class homework: Read the PADI Open Water Diver Manual and complete Knowledge Reviews. Physician approval may be required for certain pre-existing conditions.

Cost(s) \$400.00 fee includes instruction, educational materials, and rental of available scuba equipment during course and for open water dive testing, 2 day entry fee for Haigh Quarry, PADI certification fee Package prices for mask, snorkel, boots, and fins range from ~ \$150.00 and up. **Total cost** of course is approximately \$550.00.

Susan Bernal, IMSA Staff
Mike Nagy, Outside Advisor
Mike Brutlag, Outside Advisor

2022 Titan Robotics FRC Intersession

Full time Morning/Afternoon

Join the IMSA Titan Robotics Team for the first week of build season. Students will take part in the design, construction, wiring, and coding for a robot that will be entered in the FIRST Robotics

Competition. Intersession takes place the first week after the challenge is released, allowing for the IMSA Robotics Team to get a head start on creating our robot. This offers team members the opportunity to use the skills that they acquire during preseason to promote collaborative success. Students are encouraged to take part in the remaining 5 weeks of the competition. Team members are invited to attend regional robotics competitions that include countries from around the world.

Prerequisite(s) Students must attend a safety session prior to start of intersession. Dates will be sent out to interested students

Cost(s) The robotics team receives independent funding from Caterpillar and Pentair.

Bud Bergie, IMSA Staff
Pat Patankar, IMSA Faculty
Mark Carlson, IMSA Faculty

IMSA-PTHS Student Exchange – CLOSED SESSION

Full time Morning/Afternoon

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 2014, IMSA and PTHS students will participate in several intersessions, tour the Chicagoland area, and experience the richness of residential life at IMSA.

Prerequisite(s) This intersession is limited to teacher-selected students enrolled in Russian II or Russian III.

Cost(s) None

Paavo Husen, IMSA Faculty

Chicagoland Museums Tour

Full time Morning/Afternoon

Students will visit a series of museums and attend an architecture walk and the Argonne Laboratory. Two of these days will also be spent with the visiting Russian students.

Prerequisite(s) None

Cost(s) Approximate cost per student \$25.00

Eric Smith, IMSA Faculty

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

Infectious Diseases as Depicted in Cinema

Full time Afternoon/Evening

Students will learn about infectious diseases and the field of epidemiology via discussion of various movies produced by Hollywood from the 1940s to the present. The class will also learn about both the factors which microbes have to cause disease and a survey of the human host defenses which prevent disease. We will talk about the governments agencies (CDC, WHO, etc.) charged with preventing outbreaks of infectious diseases and/or controlling epidemics and pandemics. We will explore the period through a combination of discussion, documents, and movies.

Prerequisite(s) Previous biology course (SI-Bio and/or pre-IMSA biology course), helpful course: MAD

Cost(s) None

Dr. Edwin M. Goebel, IMSA Science Faculty Emeritus

Moments of Light: Art, Culture, and the Creative Spirit

Full time Afternoon/Evening

The subject of Vermeer's "Girl with a Pearl Earring" stares directly at the viewer, her eyes full of emotion and mystery. Is she serene ... sad ... seductive? Why has the artist chosen to portray her is such a

manner? More importantly, what assumptions can we make about the culture that lies behind the work, and its attitudes towards humanity, individuality, or femininity? A work of art serves as an expression of the cultural values from which it springs; it embodies particular views of beauty, power, morality, and sexuality. It also exists in several other dimensions: the dominant systems of thought that shape it, the other works of art that influence its creation, the intentions and inner struggles of the artist, and the assumptions of those who experience it. In this intersession, we will look at ten individual works of art in all their complexity, two on each day of the course. We will explore the varied factors that influenced each work, we will trace the changing definitions of the beautiful, the sacred, and the sensual, and we will study the way that works of art reflect the experiences and struggles of individual artists.

Prerequisite(s) Eyes

Cost(s) None

Robert Kiely, IMSA Faculty

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

Infusing Science to Popular Music

Part time Morning

There are number of studies that show lyrical content in popular songs can influence the perspective of listeners. Most lyrics in popular music are about personal relationships. What if instead they focused on scientific concepts and issues? Could the lyrics then play a role in positively influencing the way people approach and learn about science? Students enrolled in this intersession will work in a group to choose a popular piece that is interesting to them. They will change the lyrics to instead include scientific concepts as well as some of the current issues in the scientific community. The group will then present and perform these scientific songs, making use of students' individual talents.

Prerequisite(s) Interests in any genre of popular music and science!

Cost(s) None

Jeong Choe, IMSA Faculty

The Internet and Linux Systems (Beginner)

Part time Morning

Learn about core Internet services everyone uses and how they really work. Become more comfortable with Linux systems 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. Note that if you are planning on eventually pursuing graduate work in science or engineering, you will probably be expected at some point to use Linux systems.

Prerequisite(s) Interest in computing and the internet is required. No experience with Linux, Unix, or programming is expected or necessary. Students must bring laptops every day.

Cost(s) None

Kevin Colby, IMSA Class of 1995

Steve Terrell, IMSA Staff

Balsa Bridge Design, Building, and Testing

Part time Morning

This will be a very "hands-on" class. The majority of the time will be spent building a bridge out of balsa sticks and glue. Students will learn about compression, tension, and how triangles distribute these forces to add strength to bridges. Students will design and build a bridge, and on the last day bridges will be judged for their appearance/design and tested for strength.

Prerequisite(s) None

Cost(s) None

Dave DeVol, IMSA Faculty

Lifecycle of a Startup: The First Year

Part time Morning

This is a simulation about entrepreneurship for teams. It simulates starting a new business from scratch: finding partners, developing an idea into a product or service, creating a business model, marketing plans and media, raising outside investment and sales. The experience involves teamwork and problem solving to negotiate challenges that occur at various points in the lifecycle of a business. Participants may use this experience as a springboard to enter the TALENT Power Pitch contest.

Prerequisite(s) None

Cost(s) None

Carl Heine, IMSA Staff

Beginning European Knitting

Part time Morning

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!

Prerequisite(s) This intersession is open only to NON-experienced knitters. Knitters who know how to knit in the American way may not sign up.

Cost(s) \$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, IMSA Staff

You Need a Cuppa, or Tea with Dr. Nok

Part time Morning

In the 1861 edition of her *Mrs. Beeton's Book of Household Management*, Isabella Beeton wrote that, "The beverage called tea has now become almost a necessity of life. Previous to the middle of the 17th [sic] century it was not used in England...." (p. 871) Mrs. Beeton's tome, it runs to 1112 pages, was written for a middle class expanding so rapidly that new housewives needed a book of instructions on how to manage a middle class home. Now, of course, this work is a wonderful source for historians that tell us much about the way people lived—or, at least, were supposed to live, and tea was very much a part of it all. Today, tea is still "...almost a necessity of life....," and not only in the UK, but in many places from China to the homes of your instructor.

This intersession will introduce you to the history of tea; to its place in world trade and culture; and to its delights as a beverage and cultural experience.

Prerequisite(s) Able to consume tea and milk.

Cost(s) Over winter break, each participant must procure a thin china tea cup and saucer, Chinese tea bowl or cup with lid. Whichever you choose, it should be of thin china and can be brought from home, purchased new or used (many thrift stores carry old, even fine, china at reasonable prices. Be sure you like the one you plan on using).

Christian Nokkentved, IMSA Alumni Staff

Human Biology: Understanding Sex, Reproduction, and Development

Part time Morning

Almost everything you want to know about sexual reproduction but are afraid to ask! Students will explore the development of mammals, with a focus on humans, starting from conception. Additional topics will include development of sex cells, embryonic development, hormones, reproductive anatomy, innate instincts, genetic malformations and much more.

Prerequisite(s) None

Cost(s) None

Megan Schrementi, IMSA Faculty
Don Dosch, IMSA Faculty

Science Bowl

Part time Morning

Science Bowl is an academic competition that tests students' knowledge in all areas of science. It uses a fast-paced question-and-answer format that is similar to Jeopardy or Scholastic Bowl. Categories include: Biology, Chemistry, Physics, Math, Earth & Space Science, and Energy.

Prerequisite(s) Love of Science and Math

Cost(s) None

Peter Clancy, IMSA Faculty

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 attractive and influential for thousands of years. As part of the course, students will each write a song (lyrics, music, and arrangement) and perform and record it.

Prerequisite(s) Proficiency with an instrument (which may be voice) and ability to read music; knowledge of basic scales.

Cost(s) None

Peter Dong, IMSA Faculty

Mathematica

Part time Morning

Make great graphs! Solve difficult equations! Animations! Data analysis! Calculus! Chemical molecules! Music! 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.

Prerequisite(s) Completion of MI 3

Cost(s) None

Ruth Dover, IMSA Faculty

Welcome to Lovecraft: Horror & Fantasy in *Locke & Key*

Part time Morning

Entering its final story arc, Joe Hill and Gabriel Rodriguez's award-winning *Locke & Key* is arguably the best continuing comic book series of this decade. A mash-up of horror, fantasy, and mystery, *Locke & Key* is a family drama about the Locke children and their life-and-death battle with the gender-shifting demon Dodge using the magic keys to their ancestral home in Lovecraft, Massachusetts. We'll read the first five volumes of *Locke & Key*, consider its origins and influences in other works of horror, explore how the creators produce suspense and thrills with what is seen and what isn't, and learn the elements of an effective horror story. Besides designing our own keys with supernatural powers, we'll collaborate on our own speculative endings to the series in anticipation of the release of the final *Locke & Key* collection, *Alpha & Omega*, due in early February. All readers are welcome, but be warned: the series contains graphic violence and strong language. Locke on!

Prerequisite(s) Be prepared to share your happiest memory. Participants should read at least the first three volumes prior to our initial meeting.

Cost(s) Up to \$75.00; students will need to buy or borrow copies of the five *Locke & Key* collections: *Welcome to Lovecraft*, *Head Games*, *Crown of Shadows*, *Keys to the Kingdom*, and *Clockworks*.

Michael Hancock, IMSA Faculty

Introduction to GIS

Part time Morning

This program will give students the opportunity to learn about GIS, GIS technologies, and applications in GIS. Students will: participate in mental mapping activities, understand how maps tell stories and communicate spatial information, and solve problems using spatial information and technologies like Google Earth, Google Sketchup and ArcGIS Online.

Prerequisite(s) Students must bring laptops

Cost(s) None

Kayleigh Karlovits, IMSA Staff

Resuscitation Science and American Red Cross First Aid, CPR, & AED Certification

Part time Morning

This intersession is a first aid and cardiopulmonary resuscitation (CPR) training program to prepare individuals to respond to injuries and sudden illnesses that may arise and also to assist in their understanding of the physiology behind CPR. This program will give individuals the knowledge and skills necessary to prevent, recognize and provide basic care for breathing emergencies and cardiac emergencies in infants, and perform cardiopulmonary resuscitation (CPR) and use an automated external defibrillator (AED) for children and adults of sudden cardiac arrest until advanced medical personnel arrive and take over.

Prerequisite(s) None

Cost(s) \$45.00 per person (covers certification and supplies (gloves, masks, lung bags) fees

Mary Myers, IMSA Faculty
Sowmya Anjur, IMSA Faculty

Swimming for a Lifetime of Fitness

Part time Morning

Students of all swimming ability levels are welcome to come and improve their technique and become more comfortable in the water. We will start each day in the classroom to watch video and learn about proper swim technique for the four competition strokes: freestyle, backstroke, breaststroke, and butterfly as well as the survival strokes: sidestroke and elementary backstroke. Afterwards, we will head down to the pool to practice these techniques in the water. Dry land activities will also be included.

Prerequisite(s) Swimming goggles

Cost(s) None

Brooke Schmidt, IMSA Faculty
Billy Gentzler, IMSA Faculty

Science Issues in the 21st Century

Part time Morning

In this intersession we will discuss current health, environmental, and political issues that have implications in the scientific community.

Prerequisite(s) An interest in science related national or global issues

Cost(s) None

Anita White, IMSA Faculty

Deb Scarano, IMSA Faculty

Bridging Languages and Cultures: A Translation Workshop

Part time Morning

Enhance your language skills in this introduction to the theory and techniques of translation. Students will learn effective translation skills through discussion and practice, including the relationship of translation to culture, specific challenges, and different genres. The intersession will then move into a workshop format where students can tackle individual translation projects to develop these new skills and enhance their language abilities.

Prerequisite(s) Must be enrolled in or have completed level 3 of a foreign language OR natively speak a language other than English.

Cost(s) None

Meg Welter, IMSA Class of 2009
IMSA Sponsor, TBD

Pinhole Photography

Part time Morning

This Intersession will examine the low-tech, no-tech technology that can create exceptional visual imagery. Students will make their own pinhole cameras and images.

Prerequisite(s) None

Cost(s) \$5.00 per student for supplies

Clay Sewell, IMSA Faculty

Music Performance! Classical to Broadway

Part time Morning

Vocalists and Instrumentalists needed. Participants will hone performance skills through practice, dialogue and individualized coaching. Tips for professional performance techniques will be discussed. Students will have solo/ensemble opportunities in a variety of genres. The final goal will be a featured performance on Friday at the IMSArt 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
Emily Sites, IMSA Faculty

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

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. It is not about having a silly grin on your face all day (that does help!) but developing a happier and more positive mindset to achieve the extraordinary in our work and in our lives.

Prerequisite(s) None

Cost(s) \$35.00 for CD/digital audio files and workbook

Dr. Sudesh Kannan, IMSA Parent
IMSA Sponsor TBD

Death Note and Philosophy

Part time Afternoon

Death Note is the story of a Japanese high-school student who discovers a supernatural notebook that kills whomever's name is written on the pages. In this session, students will be investigating the philosophical, moral, and religious implications suggested by the events of *Death Note* using the Information Era as a backdrop. The series will also be examined as a cultural artifact of the beginning of the 21st century. Finally, motifs, symbols, and themes presented in both the Anime and Manga will be explored through classroom discussion and an assessed group presentation on a menu of pre-chosen topics pertaining to the series. All students taking this course will be expected to finish the text prior to the first day of intersession.

Prerequisite(s) None

Cost(s) None

Dallas Eckman, Current IMSA Student
Sunny Shah, Current IMSA Student
Dan Riemersma, IMSA Sponsor

Wargaming through Boardgames and Miniatures

Part time Afternoon

This intersession will enable students to engage in choosing and playing out specific simulations of conflicts at either the strategic, operational or tactical level. Since these games, many standards in the field for decades, take several hours (or several dozen hours) to play, Intersession is perfect for them. By playing these simulations students will gain a greater understanding of the period their specific simulation engages. A few titles include: Peloponnesian War, Machiavelli, The Civil War, The Siege of Jerusalem, The Crusades, The Guns of August (WWI), War and Peace (Napoleonic), Frederick the Great (Seven Years War), Wellington's Victory (Waterloo), etc.

Prerequisite(s) Students will have to attend a pre-Winter Break session to be picked and be assigned a simulation, game partners and rule sets. These must be read over break.

Cost(s) None

Lee Eysturlid, IMSA Faculty

It's Debatable if This Intersession Really Needs a Title

Part time Afternoon

Students will learn how to debate an issue in an organized and disciplined way. Students will be introduced to the standard rules and practices of organized team debate. Students will be split up into teams of three or four and each student will participate in at least three debates and receive feedback on their arguments from faculty and other students. Students will need to do some debate prep work outside of the daily session.

Prerequisite(s) None

Cost(s) None

Eric Hawker, IMSA Faculty
Peter Dong, IMSA Faculty
Tracy Townsend, IMSA Faculty

IMSA TALENT Design Studio

Part time Afternoon

Join the TALENT creative team as we envision, develop, design and test TALENT games and learning activities for world export. One of TALENT's big goals for the year is the production of "TALENT in a box": a hard copy--and eventually completely digital--version of TALENT that can be used to promote entrepreneurship the IMSA way around the globe.

Prerequisite(s) None, but previous TALENT participation preferred

Cost(s) TALENT to cover any expenses

Carl Heine, IMSA Staff

The Business of Real World Living – On Your Own Survival

Part time Afternoon

You've mastered dorm living, doing the laundry and getting up on your own. So what else is there? Join this intersession group for a crash course on miscellaneous information and skills for the real world.

Topics will flex, based on the interests of the group, but may include:

Working: Options from corporate to entrepreneurial; interviewing skills; expectations, career paths, when to leave, etc.

Money matters: Money traps, banking basics, etc.

Food: Cooking beyond ramen

Insurance horror stories and how to avoid them

Where to live? What to ask, look for and watch out for. How house buying works.

How to write, self-publish and get your book on Amazon

Other things of interest to the group

We'll bring in some guest speakers for informational content, and incorporate material from Junior Achievement. Participants will be encouraged to share their expertise as well. Join us!

Prerequisite(s) None

Cost(s) No cost; materials are provided free of charge by Junior Achievement

Ellen Huxtable, IMSA Parent
IMSA Sponsor TBD

HORSE!

Part time Afternoon

This intersession invites students to study and enjoy the horse in historical, aesthetic, athletic, and ethical contexts. To those new to this wonderful animal, it serves as an introduction. To those who already love him, it is a reaffirmation of the centuries-old partnership between man and horse. Two afternoons will be spent viewing film stories about horses or brief documentary clips about them. The other three afternoons we will spend time reading, drawing, discussing and writing about horses, including their natural history.

Prerequisite(s) None

Cost(s) None, **unless** the student wishes to use more art supplies than drawing pencils and charcoal, and large newsprint drawing paper.

Jean Kadel, IMSA Faculty

Debates in Public Education

Part time Afternoon

We're constantly bombarded with messages of gloom about the American public school system, often conflicting in nature: are charter schools, merit pay, or flipped classrooms a magic wand opposed by haters of children or the final straw that dooms us forever to subpar STEM scores? Should we cut or increase funding for early childhood programs? Do students need more homework or less? And what exactly did No Child Left Behind do, anyway? The only certainty is that these conversations matter.

Through reading and research, discussion and debate, we'll begin to tackle them. No background knowledge or interest in a teaching career required, but completion of short nightly readings and productive use of class time will be expected.

Prerequisite(s) An open mind

Cost(s) None

Eileen King, IMSA Class of 2008
IMSA Sponsor, TBD

Urban Planning: How Cities Develop and Function

Part time Afternoon

This is a session that would provide an overview of basic principles in urban planning, some historical perspective on how regions develop (using the Chicago region as the example), analysis of how regions develop differently as technology and societal values evolve, and insight into the practical application of these concepts and the challenges of managing and ensuring the vibrancy of a local municipality. The session will largely revolve around discussion and group activities.

Prerequisite(s) An interest in the interaction between society and the built environment.

Cost(s) None

Aimee Lee, IMSA Class of 1994
Nicole Aranas, IMSA Class of 1993
IMSA Sponsor, TBD

The Chemistry of Glass Blowing

Part time Afternoon

This Intercession will be an introduction to the physical and chemical principles of forming glass. Participants will receive hands on experience in creating and forming glass objects. We will explore the chemistry and physics used in glass blowing and design.

Prerequisite(s) None

Cost(s) \$85.00 per student - student fee, includes all supplies and safety equipment

Chris Miller, Outside Advisor
Barb Miller, IMSA Sponsor

Human, After All

Part time Afternoon

As humans, we tend to view ourselves as separate and distinct from the vast and diverse collection of organisms that inhabit the Earth, but there is much we can learn about our own interactions, driving forces, and behaviors from our brethren. Is there a biological rationale behind certain social structures and hierarchies? Does altruism belie a hidden genetic agenda? What innate forces influence our choice in mates? Come explore these and other interesting questions; you may find your assumptions challenged and your perspective changed!

Prerequisite(s) A biology course at IMSA (any SI Bio or EBE) is preferred but not required.

Cost(s) None

Sarah O'Leary-Driscoll, IMSA Faculty

Your Path to Financial Freedom

Part time Afternoon

Fundamental Building blocks to personal financial success: * Living below your means * Creating a budget * Making saving a habit and a priority * Prioritizing for long and short term goals * Building an emergency cash reserve * The Time Value of Money - and why it makes so much sense to start now * Investing basics (stocks / bonds / ETFs / Funds) * Asset location choices (brokerage account / IRA / employer sponsored plans) * Long term vs. short term market behavior * Risk types and tolerances * Basic valuation techniques

Prerequisite(s) Ability to use a spreadsheet, Internet access & an email address

Cost(s) None

Chuck Saletta, IMSA Class of 1993
IMSA Sponsor, TBD

The Illinois Country

Part time Afternoon

The Illinois Country This intersession will introduce students the early history of Illinois and its relationship to the more familiar story of the "13 colonies." In the seventeenth and eighteenth centuries, Britain, France, Spain, the Anglo-Americans, and the native peoples of the Mississippi Valley all battled for possession of the region, the "Pays des Illinois," and this rivalry helped trigger the Seven Years War and the American Revolution. This course will examine this contest and French and Indian culture which grew up in its shadow.

Prerequisite(s) None

Cost(s) None

Claiborne Skinner, IMSA Faculty

Bird Watching and Bird Behavior

Part time Afternoon

Students in this intersession course will develop skills to identify birds by sight and sound. They also will explore various aspects of the behavior and natural history of birds. Trip to Starved Rock planned (weather permitting).

Prerequisite(s) None

Cost(s) None

Joseph Traina, IMSA Faculty

Data Mining

Part time Afternoon

We live in an increasingly data-driven world. Whether in technology, social science, or even public policy, data is influencing decision making and underpinning products. This Intersession will introduce tools for getting started with data mining, including common methods such as linear regression and nearest neighbor clustering. There will be a significant hands-on component using R, a statistical programming language. Students will have a chance to analyze real-life datasets, apply their ideas, and present their findings. Ideally, they will learn enough to work with data on their own by, for example, competing in a prediction competition on kaggle.com.

Prerequisite(s) Student must bring a laptop

Cost(s) None

Ryan Wang, IMSA Class of 2008
Scott Powers, IMSA Class of 2007
IMSA Sponsor TBD

Become a Data Viz Wiz!

Part time Afternoon

There's a lot data in the world today. Companies like Facebook, Twitter and Amazon deal with huge quantities of data. To make sense of it all, whether in business, research, computing or art, it helps to visualize the data. This intersession will cover the history of data visualization and popular visualization techniques that are used today. There will be a week long data visualization project that incorporates various technologies learned throughout the course. Programming skills will be helpful, but not required. If you have some interest in technology and some interest in art, then this is the intersession for you! The course is taught by two IMSA alumni with backgrounds in Social Visualization and Analytics.

Prerequisite(s) None, although programming would be helpful

Cost(s) None

Alice Zhao, IMSA Class of 2004
Kora Bongen, IMSA Class of 2004
IMSA Sponsor, TBD

Re-using Data: Policies and Practices

Part time Afternoon

The 21st century is characterized by a “data deluge” – we produce and collect more data than ever before, at a rate of 2.5 billion gigabytes per day.[1] So who would want or need to re-use data? Why? How? In this intersession we will answer these questions in the context of science and social science research, especially as they relate to global issues such as climate change and epidemic prevention and response. We will define data and metadata; investigate policies and practices related to data sharing, data citation, open data, and data curation; and talk about citizen science and “big data.” Students will research data practices in an area of interest to them. [1] "What is big data?" <http://www.ibm.com/big-data/us/en/>

Prerequisite(s) None

Cost(s) None

Amy Blau, IMSA Class of 1992

Chris Kolar, IMSA Sponsor

The Internet and Linux Systems (Advanced)

Part time Afternoon

Learn about core Internet services everyone uses and how they really work. Review tools common to all Unix variants and explore tips and tricks for using them in shell scripts. Create simple PHP-driven web pages and create and use RESTful web services. Discuss other topics as they arise. Note this is NOT a continuation of the Beginner section, but parallels it. This will cover many of the same topics, just at a much deeper/college level for those with more experience in computing.

Prerequisite(s) Experience using any programming or scripting language and some exposure to using Linux or Unix systems is required.

Cost(s) None

Kevin Colby, Class of 1995

Steve Terrell, IMSA Staff

Computer Vision for Intelligent Robots and Self-Driving Cars

Part time Afternoon

Computer vision is an enabling technology for a wide range of applications including robotics, autonomous vehicles, surveillance, and bioinformatics. In essence, computer vision is "understanding the world based on cameras and 3D sensors." High-quality computer vision was the linchpin of building successful self-driving cars for DARPA Grand Challenge, automating tedious tasks in biology labs, and enabling robots to grasp accurately. Robots that fold laundry walk on two legs, and grasp objects almost always rely on computer vision. In this intersession, we will discuss cutting-edge robots and self-driving cars, and the computer vision methods that make it all work. Specifically, we will discuss 3D depth maps, object recognition, and basic machine learning. In addition to discussing key computer vision concepts, we will introduce basic computer vision programming. We leverage libraries like OpenCV to quickly build usable computer vision applications. Students involved in SMART Robotics are especially encouraged to join this intersession; computer vision is the crux of many problems in robotics.

Prerequisite(s) Experience with introductory computer programming (e.g. Matlab, Java, C/C++, and Python). Math: completed MI2 or higher.

Cost(s) None

Richard Zhang, IMSA Class of 2006

Forrest landola, IMSA Class of 2008

IMSA Sponsor, TBD

The Orchestral Symphony

Part time Afternoon

The major musical genre for orchestras is the symphony. It came into existence in the early part of the 18th century and has subsequently evolved significantly. This Intersession will investigate at least five complete symphonies and parts of several others to discern the structural differences that characterize the works. Among the composers mentioned will be Haydn, Mozart, Beethoven, Berlioz, Tchaikovsky, Taneyev, Bruckner, Mahler, Nielsen, Sibelius, Prokofiev, Shostakovich, Schnittke, Panufnik, and Kancheli. Knowledge of musical terminology is not a prerequisite, only an interest in listening to and learning about the symphony. Perfect pitch is a greatly desired attribute.

Prerequisite(s) Interest in Music

Cost(s) None

Michael Keyton, IMSA Faculty

PART TIME SESSIONS, Evening 6:30 PM – 9:30 PM

The Ancient Art of Spinning

Part time Evening

Students will learn about the history of making yarn and the work involved. They will be introduced to the tools used for spinning yarn – wheel, spindle, carders, yarn winder, kniddy knoddy, etc. They will learn about the different animal types whose fiber can be spun (sheep, goat, rabbit, camel, etc.), and what each feels like when finished and what they can do with their finished yarn. Each student will learn to spin yarn on a drop spindle.

Prerequisite(s) None

Cost(s) Approximately \$12.00 for supplies

Katrina Bergherm, IMSA Parent
IMSA Sponsor, TBD

Topics in Modern and Historical Astronomy and Astrophysics

Part time Evening

Ever wonder how a telescope works? How we measure the distance to the stars? How we know when the sun will explode? What dark matter is? This course takes a historically-minded approach to exploring astronomical topics of yesterday and today, with a mix of lectures, readings, problem-sets, and of course some good old-fashioned looking through a telescope.

Prerequisite(s) Basic trigonometry, algebra, and a warm coat

Cost(s) None

Steven Lucy, IMSA Class of 2002
Jered Wierzbicki, IMSA Class of 2002
IMSA Sponsor, TBD

Comedy in The Second City: Writing and Performance

Part time Evening

Did you know that Chicago is the world capital of improvisation (improv) and sketch comedy, and The Second City is in the heart of it? For fifty years The Second City has created a wealth of comedic material from a legendary group of performers, many of whom have gone on to star on Saturday Night Live, in films and on stage. This intersession will give students the opportunity to be trained by Second City performers/instructors who are experienced working with young adults. Students will participate in two hands-on Second City workshops (one focusing on stand-up comedy, the other on improv), and will attend on live show at the legendary Second City in the heart of Chicago (show to be determined—the winter shows have not yet been announced). In addition to the Second City workshops and show, students will focus on comedy writing and performance. The intersession class will culminate with student comedy performances on stage at IMSA. The Second City show that we will be attending is a public performance on the evening of Wednesday, January 8th. Parent permission will be required to participate

in this intersession. The Second City show may contain adult content and language, the equivalent of an R-rated movie (primarily for language), and The Second City has a nightclub atmosphere.

Prerequisite(s) Students who take this evening intersession will NOT be able to sign up for an afternoon intersession course, because our trip to downtown Chicago will require us to leave in the early afternoon on Wednesday.

Students will be required to submit a parent permission form in order to participate in this intersession. Once registered, students will need to pick up the parent permission form before Thanksgiving. Payment and the parent permission form will be due on Friday, Dec. 6.

Cost(s) Approximate cost is \$135.00 per student, which includes two Second City workshops (one here at IMSA with Second City instructors and one at The Second City facility in Chicago), bus transportation into Chicago, one ticket to a Wednesday evening Second City performance, and a fixed price/limited menu dinner at Marcello's Italian restaurant in Chicago.

Erin Micklo, IMSA Faculty
Nicole Trackman, IMSA Faculty
Mike Abrahamson, IMSA Staff

Introduction to Improv

Part time Evening

Improv is a theater form in which everything that is said and done is made up on the spot based on suggestions from the audience. It was developed in Chicago, and has been popularized by television shows such as "Whose Line Is It Anyway?". Students in this intersession will learn the basic rules of short-form improv, which uses audience suggestions to inspire short scenes and games. Over the course of the week, students will discover how to create a successful scene, learn a number of improv games, and most importantly, learn to say "Yes And" as they perform with a team of their fellow students. On Friday, the class will perform a 30-minute, completely improvised show for the IMSA community.

Prerequisite(s) None

Cost(s) None required except for an **optional trip** to see an improv the weekend immediately before or after the intersession.

Brian Sebby, IMSA Class of 1996
IMSA Sponsor TBD

OFF-CAMPUS TRIPS

Art History in Italy: The Renaissance in Context – CLOSED SESSION

Off Campus

Come with us on an artistic adventure to Rome, Florence, and Sienna. These cultural hubs of the Italian Renaissance are home of the works of Italian masters such as Donatello, Michelangelo, Raphael, and Caravaggio. You will experience the culture and history that created many great works of art from the Renaissance period. We will start with the ruins of ancient Rome as they served as inspiration to many Italian artists to follow. Then off to the Vatican, where centuries of patronage offer a great cross section of both the Renaissance and Baroque periods. After Rome we travel to Florence and Sienna, which star as the birthplace of the Italian Renaissance where artists from both cities competed to outdo each other. As the Medici family rose, so too did Florence's importance in the 16th century art world as their patronage funded some of the most well-known artists in history. The Tuscan capitol offers much to see from architecture to paintings and sculpture. Come travel with us to see the genius that the Italian Renaissance has to offer.

Prerequisite(s) Willingness to learn about art history

Cost(s) \$2,500.00 per student which will cover travel, food, lodging, and admission fees to various museums and attractions.

John Jaeger, IMSA Resident Counselor and alumni
Ellen Brinich, IMSA Resident Counselor
Julie Dowling, IMSA Staff

Culturally Competent Snowboarders – CLOSED SESSION

Off Campus

The purpose of this intersession will be for students to learn how to snowboard, and understand how others are treated. Students will travel to Breckenridge Colorado for this experience. During the days, students will learn how to snowboard and will be snowboarding for 3-5 days. The possibility of snowshoeing during one of the days, rather than snowboarding is a possibility. To advance to more difficult slopes, students must pass a variety of skills. You will NOT be allowed on black diamond and some blue slopes. During the evening hours, students will learn to be culturally competent. Students will gain an appreciation for people who are different. Students will have short writes throughout the week to document their learning with an end of the week writing assignment. The culminating activity will be part of a Special Olympics push that is called Spread the word to end the Word. There will be a day you will lead in March that is the official date for the campaign and the world wide movement.

Prerequisite(s) Interested individuals will need to contact David Lundgren or Leah Kind for essay. Students will be selected based off of their written essay. The trip will begin on Monday January 6 and end Saturday January 11. Preference for participants will be given to upperclassman. Students will need to be dropped off at Midway airport by 8 am on January 6. Students will need to be picked up on January 11 during the afternoon. IMSA will not provide transportation to and from the airport.

Cost(s) Estimated costs will range from \$1,500.00 to \$1,600.00. Additional money might be needed for student personal expenses.

David Lundgren, IMSA Faculty
Leah Kind, IMSA Faculty

Peru Service Intersession – CLOSED SESSION

Off Campus

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 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 several years during intersession (2010, 2011 and 2012), and last year's spring break, IMSA staff members and students visited an NPH home, Nuestros Pequeños Hermanos, located in Peru. Less than two hours from the nation's capital, Lima, NPH Peru is a thriving community. At this time, over 80 children call NPH Peru their home. NPH Peru is one of the smaller homes, but the impact we have made over the years has been incredibly powerful. The weeks spent at the various NPH homes were a life changing experience for both students and staff, inspiring students to seek out service opportunities abroad as well as the study abroad programs available at the colleges they applied to. NPH Peru is currently working on improving their new home in the heart of Cañete. Part of the work we would be doing on this trip, in addition to working with the students and assisting in the community, would be helping to improve their new home, which we have helped work on over the past four years! In past years, students have had a difficult time adjusting back to life in the US and the "culture shock" of coming home.

Upon our return, the remaining three days of Intersession week will be help ease this transition and reflect and process their experience. Thoughtful reflection of a service learning experience is of utmost importance. When students return to IMSA, they will spend their intersession reflecting on the powerful experience they just took part in through discussions and double journal entries. They will also work on compiling photos and collages as well as writing letters to the children they are sure to have grown to love and adore.

- Prerequisite(s)** Completed application, RC recommendation, and demonstrated passion to serve children. Students must attend the winter service trip to NPH Peru.
- Cost(s)** \$2,000.00 per student - this cost will include plane ticket, lodging and food for the week

Kristen Rojas, Former IMSA Resident Counselor
Ignacio Rojas, IMSA Staff
Ish Bew, IMSA Resident Counselor
Katie Berger, IMSA Staff (will facilitate sessions here at IMSA upon trip return)

Learn Start-Up Philosophy in the Silicon Valley – CLOSED SESSION

Off Campus

IMSA Students involved in the TALENT program, or who have otherwise demonstrated a strong inclination toward STEM entrepreneurship, are invited to participate in a week-long trip to visit several Silicon Valley businesses in San Francisco. Students will visit start-ups in early stage to established companies as guests of our alumni. Using knowledge gained from the book, "Lean Start-Up" by Eric Ries, students will thoughtfully interact with IMSA alumni, question lean start up philosophy and experience the life and work of some well-known Silicon Valley innovative teams and companies such as Facebook, Dropbox, AVOS Systems, Google and more. Students will also participate in San Francisco cultural experiences including the Exploratorium and participate in an IMSA Bay Area Alumni Event.

- Prerequisite(s)** Application based – **deadline Tuesday, November 5**. Participation in the TALENT program or related STEM SIR or entrepreneurial experience is preferred. An exemplary IMSA discipline record and academic standing are required.
- Cost(s)** Approximately \$1,000.00 for airfare, hotel accommodations and ground transportation in San Francisco. Transportation to and from the Chicago airport is not provided or included in the cost of the trip.

Cathy Veal, IMSA President
Britta McKenna, IMSA Staff
Summer Wu, Class of 2013
Sharon Zeng, Class of 2008
Kevin Wang, Class of 2012

China Intersession 2014 – CLOSED SESSION

Off Campus

Students will have an opportunity to explore the rich culture and history of China with their Mandarin-speaking friends in this 10-day China trip. Our first stop is Beijing. Students will visit major historic sites in Beijing including Forbidden City, and the Great Wall. Next, we will fly to Xi'An, the home of Terra Cotta Warriors. We then fly to Shanghai, the financial center and the most populous city in China. In order to make this trip a language and culture immersion experience, students are expected to communicate in Mandarin language as much as possible throughout the entire trip. This trip will tentatively begin on Friday, January 3th, 2014 and end on Sunday, January 12th, 2014.

- Prerequisite(s)** The China intersession is open to students presently or previously enrolled in a Mandarin Chinese course who are in good academic standing. Priorities will be given to current Chinese III students and seniors who speak Mandarin. Preparation includes three required meetings on culture research and travel expectations. Minimum/maximum number of participants: 10-16. Interested students should submit an online application by September 16, 2013 to be considered for this trip. A deposit of \$450 is required upon signup. Deposit will be returned before October 5, 2013, if application is declined.
- Cost(s)** \$2,650.00 per person, includes international airfare, hotel accommodation (standard room, double occupancy), most meals, deluxe coach transfers,

domestic high-speed train, sightseeing admissions, entertainments, travel accident insurance in China, and tour guides. Passport, visa (\$140 for US citizens, \$30 for citizens of other countries), travel insurance, and gratuities for tour guides.

Yinshun Wang, IMSA Faculty