

INTERSESSION 2009

FULL TIME SESSIONS, Morning / Afternoon

10101 A Tale of a Whale

Full-time Morning/Afternoon

This Intersession will look at the evolutionary, ecological, biological and historical relationships between humans and whales. Beginning with the theories of how these elegant creatures evolved, we will examine the whale in history, economics, art, literature and film and conclude with some present-day issues. From 19th century Nantucket whale hunts to speaking "whale" in the 21st century, we will explore what this animal has meant to man.

Prerequisite: None, although familiarity with Herman Melville's Moby Dick (in novel or film) would be helpful. We will spend some time with these sources.

For the model material, perhaps \$10 per student. Lunch for the Shedd Aquarium day might run an additional \$7-\$8.

Dr. Jean Kadel, IMSA Faculty
Dr. Clay Skinner, IMSA Faculty

10102 Alternative Energy Sources & Their Application to Building and Firing Kilns

Full-time Morning/Afternoon

This is a continuation of the BP Grant obtained by the sponsor. A general investigation of alternative energy sources will occur along with the continued building and firing of a kiln designed and built by students. Students will also have the opportunity to develop leadership skills by planning a follow-up kiln project with another school.

Prerequisite: An interest in the exploration of alternative energy sources, problem solving skills, an interest in developing leadership skills, curiosity and getting dirty. Some of our time will be spent outdoors, so appropriate cold weather apparel is mandatory.

Clay Sewell, IMSA Faculty

10103 Building a Robot for FIRST

Full-time Morning/Afternoon

The FIRST Robotics Competition (FRC) is an annual international competition where IMSA will partner with mentors (professional Caterpillar engineers, alumni, and others). In the Intersession, the students will participate in the first of six weeks of FRC. During this stage of the competition, we will strategically analyze the recently announced competition to distill optimal design concepts. Utilizing these concepts, we will collaboratively design, draft, and prototype multiple robots in the search for the best one. We will also document the build process, design a website, create animations, and create a video for FRC. Students are encouraged to participate in the rest of the competition in the five weeks following Intersession. Those five weeks will involve the building, programming, and testing stages of the competition. Students who show commitment throughout the six weeks will be invited to go to the regional competition held in Chicago and possibly a second in another city, and if our robot qualifies, to the championship in Atlanta.

Prerequisite: Member of IMSA Robotics Club

Jim Gerry, IMSA Staff
Bob Kleiber, IMSA Robotics Team Coach
Cameron Breedlove, Current IMSA Student

10104 DNA sequencing

Full-time Morning/Afternoon

Students will be able to amplify their DNA reliably. They will understand the supporting theory underlying DNA sequencing. They will learn to sequence DNA (heavily tech based) and analyze sequence.

Prerequisite: Permission from Dr. Dosch

Dr. Don Dosch, IMSA Faculty

10105 IMSA-PTHS Student Exchange - CLOSED SESSION

Full-time Morning/Afternoon

IMSA students of Russian will travel to St. Petersburg, Russia for two weeks (approximately March 29-April 12), live with a host family and attend classes at PTHS (Physical-Technical High School). In addition, IMSA participants must attend mandatory orientation sessions during Intersession week in January. We will meet in the morning, in the afternoon, and occasionally, in the evening.

Prerequisite: 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 Russian student for home stay. Priority will be give to qualified seniors. I will determine who participates, based on above information.

Paavo Husen, IMSA Faculty

10106 Interaction Design – The Board Game Imperative -CLOSED

Full-time Morning, Afternoon

Abandoned piles of cards from all across the table recklessly regrouped, dice retreated back into the box, player tokens licked their imaginary wounds, and a vast cardboard world prepared to fold away into temporary oblivion—all that remained was the unmistakable smell of a dramatic board game victory.

Why are board games so much fun? Interaction design is the discipline of defining how the behavior of products and systems interact with users. Since board games present a system of rules and mediate a competitive narrative, they provide a controlled and thoughtful environment for reflecting on interaction design. In this class participants will be presented with an array of board game experiences and asked to reflect on their own engagement and interactions. Students will then be challenged to improve, augment, or edit the rules and gaming experiences based on specific and sometimes arbitrary conditions. A historical review of games, readings, and an introduction to modern board game mechanics will prepare the participants to assume the ultimate responsibility during the final two days of class, the role of designer.

Prerequisite: Patience, good sportsmanship, and endurance. Not every game we test prior to designing will be immediately gratifying to every student. Additionally, prototyping and play-testing can be arduous. This is a serious class.

\$50. This cost will purchase supplies and the instructional games used prior to entering the design stage. At the end of the course, all students will get to choose and keep these games.

* Note: Money due December 4, 2008, to ensure materials will be available prior to the first class. Please contact instructor for more details.

Chris Schreiber, IMSA Resident Counselor

10107 Introduction to Clinical Medicine - CLOSED

Full-time Morning/Afternoon

Students will spend the week at Northwestern University Feinberg School of Medicine at the downtown campus. They will be exposed to several areas of basic science and clinical medicine in sessions led by Northwestern students and staff. As part of the week, students will gain insight into the physician's role in American health care, learn basic diagnostic skills and procedures, explore the problem-solving process that guides medical decision making in various specialties, and spend time in Feinberg's many simulation labs. If interested, students will be offered the opportunity to learn surgical procedures on a cadaver. Additionally, they will read and discuss articles relating to ethical issues in medicine or humanism in medicine.

Prerequisite: Open only to Juniors and Seniors pursuing a career in medicine. Those who took The Many Aspects of Healthcare last year may not take this selection.

Thomas Kim, Class of 2001
Mark Kamrath, IMSA Faculty

10108 Introduction to Microcontrollers

Full-time Morning/Afternoon

Micro controllers are the magic glue of the electronics world. They can connect disparate systems and provide processing power to create amazing devices. And they're cheap and easy to use, which opens up a whole new world of possibilities - they're capable of making a Wiimote aim an airsoft gun, making a remote control turn your lights on, controlling a machine that can build itself, and whatever else someone with some creativity can dream up! In this intersession, you'll learn to work with micro controllers. After covering the basics, you'll get a chance to create something of your own design.

Prerequisite: Knowledge of programming philosophy is expected (not necessarily experience, but an understanding of logic procedures)

\$22 per student - cost of various hardware

Brian Baker, Class of 2005
Lucas Sturnfield, Class of 2003
Thomas Houlahan, Class of 2005
Diane Hinterlong, IMSA Faculty

10109 Matsubayashi-Ryu Karate 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 either a field trip Wednesday evening to participate in a formal class at a local martial arts school or a special martial arts seminar held at IMSA by a guest instructor and an optional dinner outing. The Intersession will conclude with a friendly tournament.

Prerequisite: 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.

The costs associated with this Intersession will be: \$30.00 for a traditional, white uniform (mandatory, unless the student owns one), a \$15.00 equipment fee (mandatory), and \$5.00 for optional pizza at the awards ceremony on Friday afternoon.

Cynthia Nguyen Dang, Class of 2003
Dean Dieker, Class of 2003
Amanda Townsend, Class of 2004
Dr. David Evenson, IMSA Staff

10110 Rethink Your Music! Indian Music: Melody, Rhythm, Form and Meditation

Full-time Morning/Afternoon

Rethink how you learn, listen, create, practice and perform music through the prism of Indian Classical Music (ICM). ICM has no harmony or chord progressions and consequently has a strong focus on melody and rhythm. These elements are essential to any kind of music you wish to pursue. The main type of ICM explored will be instrumental music, primarily sitar and tabla. I. Explore the 5 Pillars of Indian Classical Music: Naad (Sound), Sur (Notes), Laya (Rhythm), Taal (Beat Cycle), and Raag (Melodic Form) II. Identify interconnections between Indian and Western Music III. Apply interconnections through experimentation with the musical structure of a composition IV. Practice on your own instrument or voice V. Practice Music Meditation techniques VI. Develop practical tools and techniques for effective practice.

Prerequisite: Students should possess a love of music, an interest in improving their skills as a musician and a composer, as well as be interested in learning about a whole new system of music.

Jeremiah "J.J." Gregg, Class of 1998
Mary Beth McCarthy, IMSA Faculty

10111 Rube Goldberg: Engineering from Scratch

Full-time Morning/Afternoon

During this Intersession we will explore the building of Rube Goldberg Machines, through hands on experimentation and prototyping. This Intersession will teach effective ways to design machine components, prototype those designs, and experiment in ways to combine those steps to make the whole machine. This Intersession will concentrate a great deal on building the machine that will unscrew an energy inefficient light-bulb and insert an energy efficient one for the Rube Goldberg Machine Contest in February. Not only will we have lots of fun building a machine from scratch, but we will explore essential engineering concepts at the same time.

Prerequisite: None

Timothy Kulak, IMSA Faculty

10112 Social Justice II: The Struggle for Racial Justice 1619-1964

Full-time Morning/Afternoon

The course will focus on the African American Experience from 1619-1964 with specific reference to the strategies that were deployed to humanize a hostile social environment. We will explore the role of the African roots of resistance to the dislocation and oppression encountered in the mass removal of African people from the continent. Are there lessons that can be learned from this period about the ability of human beings to hold on to freedom and dignity as human beings in untenable situations? In what ways has that struggle for justice shaped how the U.S.A. understands itself as a nation and as a democracy? What are the ethical constraints within a protracted struggle for life and justice? Are the norms identical for those who exploit and those who resist such exploitation? How do those who were subjugated for so long begin to create a new world out of the old one with a vision of "justice and liberty for all"?

Prerequisite: \$20 cost of *Before the Mayflower*, by Lerone Bennett, Jr.

Quintin Backstrom, IMSA Staff
Adrienne Coleman, IMSA Staff
Kazi Joshua, IMSA Staff

10113 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 enrolled in the Student Inquiry and Research Program may pursue their SIR investigations for full-time or half-time commitment. Students will need to provide their own transportation to off-campus locations.

Prerequisite: Students must be in good standing in the SIR program and obtain permission of their advisor and the SIR office.

Dr. Judith Schepler, IMSA Staff

10114 Vets, pets, and modern medicine - an introduction to veterinary medicine

Full-time Morning/Afternoon

Frogs and snails and puppy dog tails? There's more to veterinary medicine. Not just for those who've wanted to be a veterinarian since the age of 2, this Intersession will introduce you to basic principles of medicine & surgery. From clinical skills like x-ray interpretation and suture tying to issues of veterinary ethics, you'll open your eyes to the diverse fields of large & small animal veterinary medicine and public health. Note: We are hoping to offer the same backstage field-trips as last year (VCA Aurora Animal Hospital, Brookfield Zoo, and Shedd Aquarium), but don't have confirmation yet.

Prerequisite: None

Dr. Tamara McArdle, Class of 1998
Denise Cudiamat, Class of 1999
Josie Wallmuth, IMSA Faculty

FULL TIME, Afternoon / Evening

10201 Basic Open Water Scuba Certification (PADI)

Full-time Afternoon/Evening

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

Prerequisite: Must be able to swim comfortably. Must have appropriate mask, snorkel, boots, fins (package prices range from \$150-\$279). Pre-class homework: Read the PADI Open Water Diver Manual and complete Knowledge Reviews. Physician approval may be required for certain pre-existing medical conditions.

\$350.00 includes instruction, educational materials, rental of scuba equipment during course and for open water dive testing, 2 day entry fee for Pearl Lake or Haigh Quarry, PADI certification fee

Jim Atols, IMSA Staff

10202 The Coming Plagues

Full-time Afternoon/Evening

This Intersession will examine the potential negative interactions between microbes and humans. We will look at a few 'plagues' from history (The Black Death, Influenza of 1918, Cholera pandemics), and then spend most of our time talking about microbes which might cause epidemics and/or pandemics in the future. We will spend some time talking about the microbe's ability to cause disease (pathogenicity) as well as the human's ability to resist disease (immune response). The social and economic implications of epidemics will also be explored.

Prerequisite: Scientific Inquires - Biology and at least one course in biology (pre-IMSA or biology elective at IMSA). Helpful elective: MAD (Microbes and Disease).

Dr. Ed Goebel, Former IMSA Staff/Faculty

HALF TIME, Morning

05101 AP Biology Test Preparation

Half-time Morning

Students will work with each other to prepare for the AP Biology exam with IMSA teachers serving as a resource. Students are required to bring an AP Biology test preparation book to this intersession. Students may choose any test preparation book.

Prerequisite: High School level biology course.
Students to purchase AP test Preparation Book, costing approximately \$20.

Dr. Sue Styer, IMSA Faculty
Joe Traina, IMSA Faculty

05102 AP Chemistry Exam Preparation - CLOSED

Half-time Morning

This course is designed to help prepare students for the AP Chemistry exam, which is in May. The course will provide practice exams, information on the exam format, and help students to plan what they need to study most after Intersession and prior to the AP exam. Students should purchase an AP Chemistry Exam preparation book (of their choosing) prior to Intersession.

Prerequisite: Students are asked to purchase an AP Chemistry Exam preparation booklet (of their choosing).

Dr. Dave DeVol, IMSA Faculty

05103 AP Physics C Mechanics Test Preparation

Half-time Morning

Students will engage in activities to increase their understanding of mechanics as well as how the AP test evaluates their understanding with the goal of improving performance. This will include test-taking, test-grading, reviewing conceptual problem areas, and learning material not highlighted in the Calculus-based Physics course.

Prerequisite: Calculus-based Physics (Mechanics) or consent of instructor

Dr. Mark Carlson, IMSA Faculty
Brooke Schmidt, IMSA Faculty

05104 Data-informed Techniques and Decision Making in Baseball

Half-time Morning

This course covers techniques for data collection and methods of analysis related to American Baseball. Course topics include record keeping and scoring, analysis of offensive and pitching statistics, as well as management and strategy issues related to the use of data.

Prerequisite: None

Dr. Max McGee, IMSA President
Chris Kolar, IMSA Staff
Scott Powers, Class of 2007

05105 Dramatic Hands: Acting with Sign Language

Half-time Morning

This advanced class will encourage students to look at drama and sign language in a new light. Students will be encouraged to perform a scene, monologue or song using acting techniques whereby sign language will be the main mode of communication. Intertwined within the course students will learn to add theatrical elements to enhance their performance. The final project will be a presentation of their chosen dramatic piece. The presentation will videotaped and a copy will be given to each student so that they can enjoy it at home.

Prerequisite: Strong interest or experience with drama and previous experience with sign language. Students will need to complete an application process to be selected for this course. Please contact instructors for more details.

\$20.00. This will include the following: How to Speak with Your Hands by Elaine Costello, a three ring binder and divider tabs to assist in organizing materials given during class time. Blank VHS Tape or Blank DVD

*Note: Money due December 4, 2008, to ensure materials will be available prior to first class date. Please contact instructor for more details.

Tammy Larson, IMSA Resident Counselor
Sandra Mazuera, IMSA Resident Counselor

05106 Hands-on Crafts: Fiber Arts - CLOSED

Half-time Morning

Fiber arts surround us, from the knotted carpets on the floor and the lace curtains on the window to the quilted blankets on our beds and the knit sweaters that keep us warm. In this course, students will be exposed to various historical and modern techniques in fiber arts, including sewing, weaving, embroidery, appliqué, and braiding. Each student will create his or her own tote-bag from raw materials of fabric and thread, utilizing at least three of the techniques discussed and taught.

Prerequisite: Students registering for this class do NOT need any sewing or crafting experience. Students must be able to use scissors without hurting themselves or others.

Students will be charged a nominal fee (~\$5) for materials for their tote bag (to include base fabric, appliqué fabric, string, and embroidery floss). There will be shared spools of sewing thread and sewing/embroidery needles purchased for the class as a whole to use. If students wish to take home a sewing and/or embroidery needle, they may do so.

Katherine Finegan, Class of 1994

* Staff Sponsored

05107 Introduction to the Symphony

Half-time Morning

The symphony is the major form of musical composition for an orchestra. Having evolved during the 18th century, the symphony achieved its zenith during the 19th century. However, during the 20th century the symphony adopted new structure and became truly organic. This Intersession investigates these transmogrifications.

Prerequisite: Interest in listening to music

Dr. Michael Keyton, IMSA Faculty

05108 Jazz Improvisation Workshop - CLOSED

Half-time Morning

Throughout the week students will learn how to improvise over chords. Each day students will learn jazz theory and then put it to practice in actual playing. Depending on student ability, the workshop may include modal pieces, 12-bar blues, and more complex jazz standards. At the end of the week students will perform a short program, perhaps at lunch in a well-traveled place such as the Old Cafe.

Prerequisite: Depending on interest, auditions for spots may be held.

Dr. Dan Gleason, IMSA Faculty

05109 Junior Statesmen of America

Half-time Morning

This intersession aims to educate students about politics, the JSA debate style, and public speaking. Students interested in this intersession will be aimed towards going to Winter Congress and the IMSA Mini-Convention. We also plan on inviting a guest speaker during the week.

Prerequisite: None

Curtis Boyd, IMSA Resident Counselor

05110 Let's Cook! - CLOSED

Half-time Morning

Following in IMSA's tradition of inquiry and imagination, students will learn the art of cooking, which is a process that begins with learning the basics and transitions into opportunities to create their own culinary masterpieces. Whether students have an extensive understanding of cooking or are just beginners, this session will provide students the opportunity to hone their cooking skills. Note: most meals will be vegetarian if not completely vegan.

Prerequisite: \$35/person

Bob Pranaat, IMSA Resident Counselor

05111 Nuclear Weapons and WMD

Half-time Morning

This Intersession, taught every other year, explores the science behind nuclear weapons and other weapons of mass destruction. Students will also learn about the capabilities of these weapons and delivery systems, as well as who has them (as far as we know). Updated with current stories about Iran, Iraq, North Korea and other countries. Movies and documentaries will be used, and students will prepare a group presentation.

Prerequisite: None

Eric Engelhard, Class of 1996

*Staff Sponsored

05112 PHOTOSHOP LE - the basics and a little more

Half-time Morning

This session will cover the basics of Photoshop LE v6. We will go over the basic elements of the "tool box", using the organizer functions and the mechanics of modifying and restoring photos.

Prerequisite: All participants must have Photoshop LE

Dr. Jim Victory, IMSA Faculty

05113 Prayer

Half-time Morning

Do you pray? Would you rather friends know the worst thing you have done than the most fervent prayer you have ever voiced? Why is it that this ancient spiritual practice is so seldom explored or shared in the public domain? This intersession will examine the nature of prayer; why it is a felt need for many; to whom or what prayer is directed; and the wide and rich variety of prayers in diverse religious traditions. Some of the expressive forms of prayer we will learn about include lectio divina, taize prayer, Islamic prayer, kaddish, chant and repetition, and the laying on of hands. We will use materials, written and visual, that show the power of poetry, song, and music in the construction of prayers. Participants will keep a personal journal of the week's inquiry. All will be encouraged--but not required--to speak about how their own spiritual journeys have been aided or obstructed by experiences with prayer.

Prerequisite: None

Michael Casey, IMSA Faculty

05114 So Ya Wanna be a Teacher

Half-time Morning

This brand new Intersession combines the art of education with the Kids Institute IMSA ALLIES program. The session will cover basic teaching and presentation techniques, how to write fun inquiry-based activities and lesson plans, and how to handle problem students. It will also introduce educational practices and policies useful for anyone from wanna-be elementary school teachers to college professors. This course is for students who are currently involved with Kids Institute or who are thinking about going into educational fields.

Prerequisite: Current involvement with Kids Institute.

Ju Lee, Class of 2008

Birce Onal, Class of 2008

Kit Pfeifer, IMSA Staff

05115 Standing on Your Own: Relationships and Money in Real Life

Half-time Morning

This Intersession will explore the development of positive dating relationships and identify relationship strengths and weaknesses as a firm foundation to the eventual establishment of a healthy marriage. Every healthy marriage needs healthy financial planning. The other component of the Intersession will allow students to focus on financial planning and responsibility, developing awareness of the long-term consequences of certain financial choices such as loans and credit cards, as well as managing checking and savings accounts and the like.

Prerequisite: None

James Hommowun, Class of 1996

*Staff Sponsored

05116 The Interplay of Mathematics and Chess

Half-time Morning

Many famous chess puzzles/problems can be solved through the application of ideas from discrete mathematics. In this Intersession, participants will be given the opportunity to explore the mathematics behind these chess problems and in the process, might even improve their own chess games.

Prerequisite: Nothing beyond a willingness to keep trying even when the problem seems near impossible to solve.

Dr. Donald Porzio, IMSA Faculty

05117 The Physiology of Yoga

Half-time Morning

During this half day intersession you will explore the internal workings involved with external movement. We will examine anatomical and physiological processes involved in yoga, analyze self and peer movements with the use of video and Dartfish software, and perform various asana and pranayama techniques.

Prerequisite: This experience requires appropriate activity wear. Loose, comfortable layers are recommended. Baggy clothing and accessories should be avoided. Mats will be provided, however you may bring your own yoga mat.

No major medical concerns and physical limitations

Mary Myers, IMSA Faculty

Dr. Sowmya Anjur, IMSA Faculty

Dr. Anjur and Mrs. Myers have taught different aspects of anatomy and physiology even before they were faculty at IMSA. They are really excited to facilitate this learning adventure of body and mind.

05118 There's more to the guitar than Guitar Hero!

Half-time Morning

We will engage the students in investigating the various uses of the guitar in a variety of genres of music. (Rock, popular, jazz, country, classical and folk). Students will research the most representative musicians in each of the areas and will share the music with one another. Students who play the guitar (well) are encouraged to participate.

Prerequisite: None

Dr. Janice Krouse, IMSA Faculty

Richard Stalmack, IMSA Faculty

HALF TIME, Afternoon

05201 A Glimpse of Indian Culture

Half-time Afternoon

We will explore, experience, and learn about various aspects of Indian culture. Throughout the week, we will learn and explore the history of Indian art, architecture, fashion, religion, dance, cuisine, and film. The week will include a trip to the Hindu Temple to learn about art, architecture, and religion; a dance workshop to teach modern and classical dance styles found in India; and the screening of both an atypical and typical Bollywood film to discuss the similarities and differences.

Prerequisite: None

Soumya Gogula, Class of 2007
Sivali Boddu, Class of 2007
Saurabh Kukreti, Class of 2007
Ravi Kesari, Class of 2007
Dr. Sowmya Anjur, IMSA Faculty

05202 Classical Painting Method - CLOSED

Half-time Afternoon

Students will experience the full lifecycle of a classical realism- style painting, from concept to completion. We will discuss methods for creating meaningful and compelling compositions, materials of classical painting, and techniques of painting. Each student will create a medium-scale composition, and then work with one-on-one instruction to bring that composition to life in traditional oil paint. We will view examples of different working methods and explore both the intellectual and artistic aspects of this endeavor.

Prerequisite: Some drawing or painting experience is helpful, but all levels are welcome.

Cost estimated at \$40/student for materials and reproduction of supporting materials.

Lisa Gloria, Class of 1989
*Staff Sponsored

05203 "Coins: Window on the Greek and Roman Worlds"

Half-time Afternoon

Ancient coins, primary written sources and archeology, are the three sources of our knowledge of the ancients. In this Intersession we will focus on Greek and Roman coins to link the three types of source materials and discover what they tell us of the ancients in history, art, religion, economics, society, military, agriculture, climate, metallurgy, and politics. Coins will be used as historical evidence to substantiate, or refute, points in the literature of the time. Students will participate in the process by which coins become knowledge.

Prerequisite: None

Dr. Christian Nokkentved, IMSA Faculty

05204 Comic Books Go to the Movies

Half-time Afternoon

With Spiderman II, X-Men, the Final Stand, and The Dark Knight, Hollywood has finally discovered how to bring comic books to the big screen. This course will explore how the above movies have gotten this formula right. We will look closely at the heroes in these movies as well

as the moral decisions that these heroes must make in each film. By minimizing the special effects and concentrating on character development instead, Hollywood has discovered how to make the comic book super hero come alive. "What are the next steps in this successful progression?" "What makes for an effective translation from comic book to big screen hero?" "Why are intriguing moral decisions a key ingredient in this process?" will be among the questions examined.

Prerequisite: None

Dr. Dennis Czerny, IMSA Faculty

05205 Coolhunting: Chasing Down the Next Big Thing

Half-time Afternoon

Join the hunt for cool new trends. To be successful, the next generation of entrepreneurs, inventors and investors must be able to tap into the thinking of creative swarms--networks of people whose collective efforts are forging tomorrow's innovations. Apply experimental software tools and social network analysis to identify emerging swarms in the blogosphere. Discover effective ways to promote your own great ideas in collaborative innovation networks.

Prerequisite: None

Carl Heine, IMSA Staff

Jim Gerry, IMSA Staff

05206 Energy Center Project Ideas

Half-time Afternoon

Students and staff come together to share possible research that can be done in the Energy Center. Students will work in small groups on related projects. Research proposals can be submitted at the end of the week.

Prerequisite: None

Branson Lawrence, IMSA Faculty

Dr. Eric Hawker, IMSA Faculty

05207 Explorations in Making Virtual Presentations, or, "Webinar" What in the World is a Webinar??

Half-time Afternoon

If you enjoy working with younger students and chatting online with others, Explorations in Making Virtual Presentations is for you! Throughout this week participants will connect with late elementary and middle school students around Illinois and engage them in a dynamic two-way conversation on a topic of your choice. In addition, you will experience and learn about designing and teaching in a virtual classroom and using a web-based environment called Elluminate. In the spring, you can stay involved and get community service hours.

Prerequisite: None

Dr. Susan Bisinger, IMSA Staff

Tracy Miller, IMSA Staff

05208 Hands of Conversation and More - Beginner's Course

Half-time Afternoon

This course is designed to enlighten, engage, and encourage IMSA students to learn about the history of sign language and practice expressive and recessive Conceptual Sign Language. Intertwined within the lessons, students will learn about the multiple sign language systems used

within the United States, the impact of American Sign Language, the difference between the Deaf and the deaf community, as well as how technological advancements have assisted deaf individuals within their daily lives

Prerequisite: Students will need to bring their personal computers to class daily.

Approximately \$30.00 for each student; payment due December 2, 2008 to ensure all books and supplies are in by the first day of intersession. This cost will include: two books: Signing How to Speak with Your Hands by Elaine Costello and Expressive and Receptive Fingerspelling for Hearing Adults; and a binder, divider tabs to organize the papers they will receive in class and a blank VCR tape or DVD.

Tammy Larson, IMSA Resident Counselor

05209 Hillary and the Hockey Moms: Gendered Rhetoric in Election 2008

Half-time Afternoon

Though assumptions and rhetoric about gender often play a role in presidential elections, 2008 is a special case. Hillary Clinton's run for the Democratic nomination and Sarah Palin's vice-presidential bid have elevated contemporary debates about women's roles in politics, the home, and citizenship into the limelight. This intersession will analyze how gender played a role in the political rhetoric of Hillary Clinton, Sarah Palin, their opponents, and the political pundits who critiqued or supported the two candidates. We'll investigate how both candidates used their gender to their advantage--and were also harmed by assumptions about women that they couldn't necessarily control.

Prerequisite: None

Dr. Grace Glass, IMSA Faculty

05210 IMSA

Half-time Afternoon

As part of IMSA's Four Phase Strategic Initiative, there is active thinking, planning and imagining of a residential campus in the City of Chicago. We want to bring together the best thinking and imagination to explore the profound questions that are raised by the possibility of a teaching and learning laboratory in the CPS district. If the "universal paradigm for teaching and learning" applies in various contexts, what might it look like in Chicago? What is the essential "core" of the IMSA experience and what might need to be adapted to an urban location? What will an extra year of learning (9-12 grades) include? What kind of relationship might Aurora and Chicago have? What role might the surrounding community have in the life of the campus and its students? Is there one faculty between the two campuses or are they two? These are only some of the profound questions we hope to explore in this course. Consider it a chance to imagine and to inquire what IMSA "Chicago" might look like.

Prerequisite: None

Dr. Max McGee, IMSA President

Michelle Kolar, IMSA Staff

Kazi Joshua, IMSA Staff

05211 IMSA Swings!

Half-time Afternoon

Want to have a great way to meet people, get some exercise, and show off a bit on a dance floor? Come learn to swing dance! We'll be starting from the basics, so even if (especially if!) you've never danced before, don't hesitate to join us. By the end of the class, you'll be able to go out to swing dances anywhere and join in. And I do mean "anywhere": there are swing scenes in

every major U.S. city, at tons of colleges, and in many foreign locales as well. Plus, many of the core ideas you pick up here (frame, lead/follow, connection) will be useful if you decide to learn another style of dance somewhere down the road. We'll be finishing off the week with a trip to one of Chicagoland's swing venues, so you'll have a chance to put your new skills to use and see other swing dancers doing their thing. Look forward to seeing you in January!

Prerequisite: \$15 per student/entry cost for Swing Venue

Neal Groothuis, Class of 1997, and former IMSA Staff

*Staff Sponsored

05212 Intro to Mechanical Drawing/Engineering Graphics

Half-time Afternoon

Since the beginning of recorded history, when man first took pen to paper, drawings have been used to represent objects to be constructed. Today, graphic representations are integral to the design and manufacture of...well, anything! These graphics allow us to communicate ideas, design intent, and manufacturing details between colleagues and corporate entities. Despite the fact that nearly all Mechanical Drawing is currently done with computer-aided-drafting (CAD) tools, the study of pen, pencil, and paper drafting methods creates a familiarity with what can be best described as the language of engineering. Studying this subject also provides an appreciation of the tools that are available to us today, as well as valuable insight into the history of engineering as a profession.

Prerequisite: \$35-\$50 dollars for drafting kit

Alan Ware, Class of 2002

*Staff Sponsored

05213 Intro to Movie-making

Half-time Afternoon

Are you interested in making a movie? Do you wonder what goes into shooting a film?

If so, Intro to Movie-making is the course for you.

With the cost of a consumer camcorder decreasing and the recent popularity of YouTube, it is possible for nearly anyone to create an original film. Intro to Movie-making is a course for those interested in this recently accessible artistic medium. This intersession will explore basic film conventions used by Hollywood directors and will provide the opportunity to practice cinematic techniques through a hands-on experience with video cameras and editing software. The goal of the course is to learn to express oneself through a dynamic medium. As this is a basics class, no prior film knowledge is necessary.

Prerequisite: None

Alen Shen, Class of 2008

Tim Truong, Class of 2008

*Staff Sponsored

05214 Language and Diversity in the US

Half-time Afternoon

This class will explore sociolinguistic issues of language discrimination, gender/race/class and youth culture. We will be developing a consciousness of the sociocultural and political characteristics of American English. We will have discussions on the following major topics: "Social varieties of American English," "Adolescent language," "Slang," "Examining our own idiolects and usages among intimate friends," "Hip Hop Nation Language," "Language, gender, and sexuality," "The languages of cyberspace," and "Language attitudes to speech."

Prerequisite: None

Shanna Wilcox, Class of 2004
Socorro Cintron, IMSA Faculty

05215 Movies and Mayhem: Education in Global Issues through Film and Discussion

Half-time Afternoon

This Intersession will inform students on current global issues through films, a popular form of modern media. This will not only promote interest, but will provide a readily accessible visual representation of the problems of the world today. The films presented will consist of: "Hotel Rwanda", "Blood Diamond", "Syriana", and "The Constant Gardener". After viewing these movies, the themes expressed, as well as implications of these issues, and the possible solutions to these problems will be discussed.

Prerequisite: None

Jonathan Park, Current IMSA Student
Sharada Dharmasankar, Current IMSA Student
Peg Cain, IMSA Faculty

05216 Once upon a time...

Half-time Afternoon

In an enchanted place called IMSA not so far away, there was a group of students who decided to take an intersession on fairy tales. They knew it would be an arduous task, but how else could they satisfy their curiosity of the world of fairies and magic? They longed to know all about politically correct bedtime stories and fairy tales from exotic lands. When they realized this intersession would be the answer to their cravings, they knew they had no choice but to sign up for it? So they bravely ventured into this mission, promising to discuss, read, and watch fairy tales for five days. But who likes all work and no play? (As they toiled, the promise of a rewarding tea party hung over them?) What happened next? There's only one way to find out...

Prerequisite: "I do believe in fairies. I do! I do!"

Dani Spencer, Class of 2008
Monica Bhattacharya, Class of 2008
Ivy Bekker, Class of 2008
*Staff Sponsored

05217 Physical Theatre

Half-time Afternoon

Are you ready to MOVE? In this introductory theatre course, we will be covering techniques drawn from Anne Bogart, Jerzy Grotowski, Tadashi Suzuki, Lookingglass Theatre and Theatre O. The process will be collaborative, workshopping the principles behind the various approaches and then exploring their application through improvisation. No previous theatrical experience is required. Great for actors, singers, dancers, improvisers or anyone who loves to tell stories!

Prerequisite: None

Lavina Jadhvani, Class of 2001
*Staff Sponsored

05218 Science Fiction: Short Story to Film

Half-time Afternoon

In this Intersession, we will explore 5-10 major works of short Science Fiction and how they have been adapted into film and TV across the decades from the 1950s to today. Students will have nightly readings of 1-2 stories and then after a discussion, we will watch a film or TV of the adaptation of the same story, sometimes several. Students will be able to see how core ideas in this genre have been portrayed both before and after the advent of modern special effects and CGI.

Prerequisite: None

Eric Engelhard, Class of 1996
Jake Gerstein, Class of 1995
*Staff Sponsored

05219 Sexual Orientation and Civil Rights: Then and Now

Half-time Afternoon

Spectrum, Will and Grace, Day of Silence, Ellen DeGeneres....could these elements have been part of our culture 50 years ago? We will explore the history of the gay civil rights movement, encounter key historical figures, and learn how they changed the political and cultural landscape of the twentieth century. Then our focus will turn to the present: what is the future of gay marriage? religious tolerance and acceptance? Other topics reflecting the interests of the participants will also be discussed.

Prerequisite: Approval of one of the Intersession sponsors is required for participation.

Dr. Vince Matsko, IMSA Faculty
Jonathan Besancon, IMSA Faculty
Michelle Zoellner, IMSA Resident Counselor

05220 Strategic and Tactical Simulations

Half-time Afternoon

This class will teach students about strategic and tactical thinking as a part of warfare by playing one or more wargames. These games will represent battles, campaigns or entire wars fought in time periods ranging from the Ancient world to the near present. They are historical simulations, not fantasy or science fiction games. Further, if there are at least 6 students interested, a miniatures simulation from the Napoleonic period can also be run. Some examples of titles are: The Siege of Jerusalem, The Battle of Waterloo, Machiavelli, Campaigns of 1814, The War in Europe, Fulda Gap, etc. All the games are "table top" versions and not run on the computer.

Prerequisite: None

Dr. Lee Eysturlid, IMSA Faculty

05221 The Miracle of Life

Half-time Afternoon

In this Intersession, we will explore awesome ecological biodiversity in various forms through media, including movies, documentaries, film clips, books, current literature and any other pertinent (and interesting) sources. Have you ever wanted to watch videos of angel sharks and rifle birds all day? Then this Intersession is for you. Join us for this fun-filled romp through the amazing sights and sounds of the natural world! Students will be expected to participate in casual discussions on source material, and to complete a short presentation on their favorite (or least favorite) life form of their choosing.

Prerequisite: None

Anastasia Rahlin, Class of 2008

Phoebe Barkan, Class of 2008
Dr. Don Dosch, Faculty

05222 The 1960s

Half-time Afternoon

This Intersession will explore through music, film, documentaries, and art the culture and politics that have come to define the decade of the 1960s.

Prerequisite: Possible cost of dye and white t-shirt

Dr. Eric Smith, IMSA Faculty

05223 The "Ultimate" Intersession

Half-time Afternoon

This would be an Ultimate (Frisbee) themed Intersession for students (regardless of playing ability) to learn the physics, kinetics, and strategy, as well as the rules and techniques of Ultimate. Topics covered will include flight patterns and how those patterns are affected by weather and air currents, the most effective methods of throwing and catching. We will also cover the primary strategies used in the game through the use of scenarios, explanations, and practical demonstrations with discussion about why these strategies work and when they are most effective.

Prerequisite: Gym shoes, athletic or loose fitting clothing, and enthusiasm will be required. Those new to the sport of Frisbee are encouraged to attend as we will be starting from the very beginning. A writing utensil will also be needed, but we will provide handouts which can be used for any note-taking.

\$10.00 for Ultra-star 175 gram disc. ("The world standard for the sport of Ultimate, and the official disc of the Ultimate Players Association Championship Series." <http://discraft.com/ultprod.html> 08-19-08)

Julie Eagle, Current IMSA Student
Bohao Liu, Current IMSA Student
Tony DiMarzio, IMSA Resident Counselor

HALF TIME, Evening

05301 Introduction to European Film

Half-time Evening

This course is an introduction to the major themes, personalities and films behind twentieth century European cinema. Special emphasis will be placed upon the impact of European film on contemporary American film. Students will be introduced to the films of Melies and Lumiere, Soviet montage, German Expressionism, French dada and surrealism, Italian neorealism and the French New Wave.

Prerequisite: None

Dr. Gerald Butters, Dean, Aurora University

05302 Light, Body, and Mind: European Painting in the 19th Century

Half-time Evening

Look at a Dutch still life from the 17th century -- you will be struck by its almost photographic qualities. The painter has taken great pains to represent light, physical space, and subject matter with precision. Look at a canvas by Vincent van Gogh, and you will have quite a different experience -- a mixture of subject, color, and texture that almost demands an emotional response from the viewer. In this intersession, we will examine the forces that change European art in the 19th century and transform western notions of certainty, beauty, and propriety forever.

Prerequisite: Lightness of Spirit

Dr. Robert Kiely, IMSA Faculty

05303 Practical Software Debugging: Tools and Techniques

Half-time Evening

For many budding young coders, programming is a bug-prone and daunting endeavor; sometimes code doesn't compile, programs blow up for mysterious reasons, or a program's behavior isn't quite right. The typical college programming homework assignment goes something like this: You confidently sit down, write a beautiful, well-thought-out piece of code (right?), compile it, run it, and ... spend the next ten hours desperately fiddling and recompiling, trying to figure out why your program doesn't work the way it's supposed to. High school and undergraduate college computer science classes will teach you about how CPUs work, how different programming languages were designed, how operating systems work, the algorithmic complexity characteristics of various data structures, etc. But surprisingly, they won't teach you the craft of programming. In this intersession, you will learn how to use a wide range of free tools that can tell you exactly what's wrong with your program and how to fix it - automatically. The right tools can save you hours of debugging time.

Prerequisite: Some knowledge of the C, Java, and/or C# programming languages; some familiarity with Linux, Windows, and/or Mac OS X.

Eric Bowden, Class of 2002

*Staff Sponsored

05304 Tile Mosaic Basics

Half-time Evening

Students will be introduced to the art of tile mosaics through at least two hands-on projects. On the first day of class students will create a mini-mosaic to familiarize them with the basics. The rest of the course will be spent independently creating a mosaic of their own creation based on a drawing or design on a flat surface or recycled object.

Prerequisite: Students must have an interest in art but no previous experience is necessary. Must enjoy working independently on a hands-on project and not mind getting a little messy.

The class will cost approximately \$30 per student -Cost includes adhesive, grout, tile, tools, mounting wire and base.

Kerby Mickelson, IMSA Resident Counselor

OFF CAMPUS

OC01 Aventura en Puerto Rico

Off-Campus Trip

Full-Time

Do you want to hike through El Yunque (the only rainforest that is part of the United States), visit a system of caves, tour a dry forest and swim in geothermal waters? Learn about ecosystems that are inherent to an island in the Caribbean Sea? Practice your Spanish while you learn about the culture of Puerto Rico? Combine Spanish and Science during this Puerto Rican Adventure!

Prerequisite: Currently enrolled in Spanish classes or be a fluent Spanish speaker

\$1,600 (includes all transportation, tours, lodging and some meals.)

Dr. Aracelys Rios, IMSA Faculty

Jose Palos, IMSA Faculty

Minerva Juarez, IMSA Staff

OC02 Building Houses, Building Hope -CLOSED SESSION

Off-Campus Trip

Full-Time

Building Houses, Building Hope! IMSA's Habitat For Humanity Club is hosting their 9th Collegiate Challenge trip traveling to Punta Gorda, FL. Gain hands on construction, building and landscaping knowledge. Interact with Habitat families and volunteers in the city of Punta Gorda. Give back to a community in need! And enjoy a week in the sunshine with your fellow peers!

Prerequisite: \$250 per student

Linsey Crowninshield, IMSA Staff

Deb McGrath, IMSA Staff

OC03 "Coral Reefs to Island Peaks"

Off-Campus Trip

Full-Time

Explore the complex diversity of habitats in the Virgin Islands National Park, within a UNESCO Biosphere Reserve. Coral reef, mangrove ecosystem, inter-tidal zone, dry cactus woodland, arid region and sub-tropical rain forest will be investigated. Learn about marine and terrestrial natural resources, as well as cultural resources, of the Virgin Islands.

Prerequisite: Note: This off-campus trip will begin on Friday January 2 and end on Friday January 9.

\$2100.00 for certified scuba divers, \$1700.00 for non-divers

Susan Bernal, IMSA Staff

John Thompson, Retired IMSA Faculty

OC04 Honduras Service Intersession Trip - CLOSED SESSION

Off-Campus Trip

Full-Time

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 2,800 children are being cared for in a loving, secure environment. Located one hour from the nation's capital, Rancho Santa Fe is a thriving community. Almost 600 boys and girls reside in this little village nestled among the hills of the Honduras countryside. During the 2008 Intersession 2 staff members and 11 students had the opportunity to visit and volunteer at Nuestros Pequeños Hermanos in Honduras. The week spent there was 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. The wonderful people at NPH Honduras have expressed their joy at having the IMSA group return again this year. Students and staff alike look forward to the opportunity to return to NPH and continue not only to serve this wonderful organization, but also to continue learning from them.

Prerequisite: Approximately \$1500 per student (this will include plane ticket, lodging and food for the week)

Lauren Lutz, IMSA Resident Counselor
Sarah Blosser, IMSA Resident Counselor
Kristen DeBellis, IMSA Resident Counselor

OC05 ILXO Deployment

Off-Campus Trip
Full-Time

Students will spend one week traveling to an OLPC pilot school as members of a deployment team and assist in setting up and training local students, teachers, and community members in integrating XO's in education curriculum.

Prerequisite: Passion and willingness to work. Student selected must participate in intersession training activities. Also, because of the large cost and commitment requirements, we ask only students who have applied for this intersession to be selected.

\$750/student (including transportation, food, lodging, equipment, activities), payable by the student; several privately-funded scholarships for students will be available.

Mel Chua, Class of 2003
Yifan Sun, Class of 2006
Scott Swanson, Class of 1990 & IMSA Staff

OC06 Muni Seva Ashram: A Community of Hope and Innovation

Off-Campus Trip
Full-Time

Join this Intersession, and be the change you want to see in the world! Founded in 1978, the Muni Seva Ashram is a 300-acre social service project in western India. The ashram is engaged in human welfare work through various activities focused on education, character-building, and health care. Today, it operates programs for cancer treatment, medical technology, education for the underprivileged and alternative energy research and implementation. It is home to a nationally renowned Kailash Cancer Hospital, a senior center, and a center for Renewable Energy and Environment. It is also quickly becoming an impressive model for sustainable use of technology. Its mission closely resembles that of IMSA'S, which is "to ignite and nurture creative, ethical scientific minds that advance the human condition, through a system distinguished by profound questions, collaborative relationships, personalized experiential learning, global networking, generative use of technology and pioneering outreach." At the Muni Seva Ashram, you can be an advocate for IMSA's mission, serve the find humanity, technology, spirituality, and

beauty all in one place. By participating in this Intersession, you will have the unique opportunity to advocate for IMSA's mission, serve the outside community through various international service projects, and have a great time exploring a new part of the world. A brochure is available for more information. Website: [www. muniashram.org](http://www.muniashram.org)

Prerequisite: \$2200-2500/person all-inclusive, depending on number of participants Housing and food is all paid for. The only costs are for additional personal needs and airfare. An itinerary has already been created for students, should they choose to come. We plan to fundraise, and provide scholarships to those with substantial financial needs.

Sanjay Vimawala, Current IMSA Parent
*Staff Sponsored

OC07 Paris 2009 - CLOSED SESSION

Off-Campus Trip
Full-Time

Students will spend 8 days in Paris visiting historically and culturally significant sites, interacting with French people, and experiencing everyday Parisian life.

Prerequisite: Preparation includes three required evening meetings on cultural and travel expectations, and research. The Paris experience is open to students presently enrolled in a French course. An application essay (in English) will be used in the selection process. (Note: due to time constraints, the selection process was publicized and completed earlier this fall).

\$2300 plus expenses for lunch and dinner, and some cultural events. Additional costs will vary according to the individual. Detailed information was provided in the letter and itinerary sent to all French students and their parents. Additional costs may include the fee for a U.S. passport, if the student does not already have one.

A deposit of \$500 per student was required by September 22, 2008. Interested students submitted an application and RC recommendation by September 15, 2008. Dates for the trip: Sat. January 3, 2009 - Sunday, January 11, 2008.

Brenda Crosby, IMSA Faculty
Willa Shultz, IMSA Faculty