



2007 Level 3 Seminars

DIPLOMA PROGRAMME

English: Literature Texts in Context (Rice University; March 9-11, Houston, TX)

This intensive and valuable workshop examines in-depth literary works by distinguished members of Rice University and other Houston institutions. Discussions will address the cultural and historical contexts of the works. While the primary emphasis of the workshop concerns expanding teachers' knowledge of specific texts and authors, time will be set aside on the final morning of the workshop to develop strategies for presenting and teaching the texts within the IB English A1 program. Note: Most authors for study are either listed on the current IB Prescribed Book List or Prescribed World Literature List.

Past year's topics covered three geocultural regions and texts: India, Vietnam, South Africa, China and Spanish Literature. This year's texts will be determined in the Fall and posted on the Rice website.

History of Europe (Rice University; March 9-11, Houston, TX)

This workshop will explore the study of history through historiography, source evaluation, recent scholarship, and best classroom practices. Participants will have the opportunity to discuss, question, and reflect upon these particular areas of history, allowing for a more detailed approach to the subjects. Presentations by Rice faculty will be followed by pedagogical discussions in relation to the IB classroom, best practices used in the presentation of the material, and thoughtful content deliberation.

Last year's topics covered: Totalitarian Europe (1922-53), Fascist Italy, Nazi Germany, and Stalinist USSR. This year's topics will be determined in the Fall and posted on the Rice website.

Mathematics SL and HL (Rice University; March 9-11, Houston, TX)

This workshop explores teaching strategies and content for a selection of topics from the IB mathematics curriculum. While the focus will be on topics from higher-level (HL) mathematics, there will be overlap with standard-level (SL) mathematics. Participants are expected to be active members in this workshop and engage in dialogue with university-level educators who will be leading the discussions on specific topics. The workshop will be facilitated by an experienced IB workshop leader.

Biology (Rice University; March 9-11, 07, Houston, TX)

A booster shot to teachers of IB Biology, this workshop will discuss various topics in the syllabus through presentations by faculty members from Rice University and elsewhere. These presentations will amplify the knowledge base of IB Biology teachers, enabling them to conceive new means of teaching. Participants will explore how to apply these concepts to internal assessment activities or the extended essay. Participants will be expected to read assigned materials in preparation for specified presentations and to fully engage in class discussions. Readings will be sent to participants before the start of the workshop. Sessions will add new knowledge and foster dialogue among teachers.

History of the Americas (Rice University; March 9-11, Houston, TX)

The study of history through historiography, differing interpretations, recent scholarship and classroom best practices will be the basis for this three day workshop. Three topics from the IB History program will be used as a basis for this study. Professors from the Rice University faculty will present and lead discussions dealing with their areas of expertise. Participants will have the opportunity to discuss, question and reflect on particular areas of history that will allow for a more detailed approach to the subject, coinciding with the conceptual belief that each history topic studied in the IB classroom should be dealt with in great depth. The presentations will be followed by pedagogical discussions where the content addressed will be connected to the IB classroom and will hopefully share best practices used in the presentation of this material. It is the hope of the workshop leaders that this workshop energizes the participants by allowing the opportunity for the thoughtful content deliberation that teachers desire yet often must sacrifice to the expediency of everyday classroom demands.

ITGS (Rice University; March 9-11, Houston, TX)

This course will address the use of models and simulations in science with special attention to global warming and the related social and ethical issues. Professors from the Rice University faculty will present and lead discussions dealing with their areas of expertise. Participants will have the opportunity to discuss, question and reflect on particular areas of that will allow for a more detailed approach to the subject.

**Focus on Literature in Spanish (Enfoque en la Literatura)
(UWC; June 18-22, Montezuma, NM)**

The seminar will explore works of literature that may be studied in Spanish A1. It is open to all teachers of Spanish literature, however it is not an introductory course and will not cover course requirements or assessment. The following Latin American texts will be covered this summer:

- Ficciones (1944) Jorge Luis Borges (Argentina)
- Bestiario (1951) Julio Cortázar (Argentina)
- Los funerales de la mamá grande (1961) Gabriel García Márquez (Colombia)

IB and the College Selection / Application Process (FLIBS; June 23-26 and Dec 5-8, St Petersburg, FL)

The college selection journey is an individual process and can be a road toward self-discovery. The major focus of the workshop will be on how the IB Diploma Programme - with its rigor, alignment, and engagement - prepares students for a successful college experience including the application process, selection and higher-education achievement. The linkages between CAS, EE, TOK, international-mindedness and HL vs. SL study will be covered in depth. Creation of a college admissions strategy will be discussed as will the roles of college contacts, teacher recommendations, standardized test scores, parent involvement and early-decision. Heads of Schools, IB Coordinators and Counselors will benefit from this workshop.

Unwrapping the Center of the Hexagon - EE, TOK, CAS (UWC; June 25-29, Montezuma, NM)

This session is an opportunity to give coordinators and administrators the time to delve into the core of the Diploma Programme and analyze how they might be done differently in their schools to ensure student success. This workshop will allow participants to reflect on their current practice with respect to the EE, CAS, and TOK with a view to refining and honing their offerings. This will also provide an occasion to share best practice, to dialogue collegially about ideas that might work, and to finally understand the relationships between these integral areas and why they really are the glue that holds the Diploma Program together.

Teaching Canadian and Latin American History & Literature (CIBO; June 27 to July 1, Lake Tahoe, CA)

Teachers of IB History of the Americas and of IB Language A, as well as those preparing students in grades 9 and 10 for these courses, will benefit from a greater understanding of the historical and literary landscapes of Canada and Latin/South America. Examination of events, movements, writers and texts will be used to encourage further exploration and possible inclusion in school's programs.

TOK: Building knowledge and responding to doubts in TOK (UWC; July 2-6, Montezuma, NM)

TOK is a serious enquiry into the possibility of knowledge. The skepticism sometimes encountered is not, as some may claim, a youthful folly but rather a persistent doubt which has engaged thinkers since the days Socrates engaged the Sophists in the 5th century BCE. Scepticism, and the relativism and subjectivism that accompany it, will be fully explored in this workshop. Participants will be invited to investigate the Sceptic's challenge to knowledge, and the various responses to it, in the different areas of knowledge comprising TOK with a view to framing for themselves what they believe is a reasonable response to it.

TOK: Synergetic integration of TOK and groups of the hexagon (UWC; July 2-6, Montezuma, NM)

This Level 3 Workshop is intended to demonstrate and investigate how a Synergetic Methodology can be used to discover and create many practical, classroom-ready curricular integration opportunities between TOK, Internationalism, CAS and the rest of the Groups in the Hexagon. The starting point of this workshop will introduce the participants to Action Research that has been conducted on how this Synergetic Methodology has been used to create several examples of integrated curriculum material between TOK and the Group 4 sciences as well as between TOK and CAS. Further sessions will examine the general principles of this methodology and the whole systems thinking tools that it employs. The participants will have the time and opportunity to share ideas and work collaboratively to produce synergetic, integrated material that will be exciting and relevant and which will demonstrate the interrelatedness of different perspectives and different courses

ITGS: Assessment strategies and preparation for internal assessment (UWC; July 2-6, Montezuma, NM)

This workshop will concentrate on the preparation of lesson plans, ideas for portfolio pieces and projects, and the marking process. Meaningful discussions will include the sharing of best practices and teaching methodologies. An opportunity to learn to consistently apply the IA criteria for the portfolio and project will be provided along with strategies for improving student performance. Participants will receive materials and resources that they have helped to create during the workshop.

** Participants are asked to bring materials to the workshop. Please contact UWC for details.*

Physics: Experimental work and internal assessment (UWC; July 2-6, Montezuma, NM)

The focus of this hands-on workshop is practical work. In addition to student experimental work, related topics include the treatment of errors and uncertainties, group 4 projects, internal assessment, extended essays, resources and teaching strategies. Participants will share a number of their own physics experiments by describing, demonstrating or having other members of the workshop perform these experiments. Both low-tech and high-tech type investigations will be covered.

Organic Chemistry (UWC; July 2-6, Montezuma, NM)

Because an understanding of organic chemistry depends on a sound understanding of physical chemistry, organic chemistry is often taught at the end of the course and is not covered in an adequate manner. Textbooks suitable for high school level organic chemistry are nearly impossible to find. This workshop will attempt to address these issues by facilitating learning through understanding and by using teaching materials based on this approach and developed specifically for IB organic chemistry. Emphasis will be on the application of principles of energy, bonding, structure and kinetics to relate physical and chemical properties of organic compounds to familiar concepts. Consideration will be given to teaching materials, clarification of important concepts and their applications and looking at problems in student work.

Visual Arts studio and research (UWC; July 2-6, Montezuma, NM)

Art teachers often have a difficult time convincing their students of the validity of "informed artwork." Research/investigation is often given no time in traditional art classes and the IB is exactly opposite with a great deal of focus on four varied types of research. This seminar is designed to give IB Visual Arts teachers the opportunity to understand the authentic application of this alliance between studio and research as they develop their own artistic focus utilizing the IB Visual Arts methodology. Participants will be instructed to bring to the seminar their sketchbook, their favorite art media, and some ideas for projects that can be completed in a four day period of time. There will be opportunities for critiques, stimulus in new ideas and controversial issues, chances to experiment with new media, and fieldtrips to the neighboring areas for direct observational art. Pedagogy will also be discussed as to sequence and method of instruction of the IB Visual Arts curriculum. The participant needs to be fairly comfortable with the teaching of IB Visual Arts, in as much as they understand the criteria and have taught students through at least one examination session.

Biology: Improving internal assessment (UWC; July 9-13, Montezuma, NM)

This workshop is intended to help teachers in the development of student skills to meet the ideals and standards for IB internal assessment. Emphasis will be placed on designing lab tasks with sufficient complexity so students will engage in higher-level thinking. Participants will explore successful labs and practice coaching student work with the aim of providing feedback to students that is specific and insightful to student development. There will be discussion around the issues of sampling, moderation and communication with IBCA.

Theoretical Issues in Social & Cultural Anthropology (UNIS; July 10-12, New York, NY)

Intended for experienced or new/potential Higher Level teachers, this workshop is will provide a forum for discussion on the fundamental theoretical issues requirement for the HL course. The discussion will also explore changes in anthropological approaches to the concept of culture and theoretical developments since the 1960s. Opportunities for resource, material and strategy sharing will be provided as will the opportunity to develop new ones.

**Participants will be asked to read a text prior to the workshop. Please contact UNIS for details.*

Geographic Information Systems (UCC; July 11-13, Toronto, ON)

The purpose of this session is to familiarize participants with the opportunities and challenges of computer technology, geographic databases, and satellite imaging to make the geography curriculum exciting, relevant and topical. The GIS lab at Upper Canada College will be used to compete hands-on projects that will be directly applicable to the classroom. Participants are requested to submit a best-practice lesson or a list of questions / needs.

Geography Seminar: Beyond the Classroom: Researching Water in the Field (UWC; July 16-20, Montezuma, NM)

This seminar is for experienced geography teachers who have attended a previous IB Geography workshop and are now teaching IB Geography in the diploma programme. The seminar focuses on ideas and specifically the growing importance of issues involving water. It is meant to be a collaborative effort involving discussion of the issues, the sharing of resources, and exploring a range of opportunities for investigating those issues at local, regional, national, and international levels. The issues relate to the supply, demand, and utilization of water, and the sustainability of its quantity and quality. The seminar will involve a one-day field trip in northern New Mexico to study water issues in relation to settlement.

Global Issues of the 21st Century (UWC; July 16-20, Montezuma, NM)

This workshop is an interdisciplinary inquiry into the complex and far-reaching changes transforming our world community. Globalization is the major trend reshaping social, cultural, political, technological, environmental, and economic processes and educational structures around the world. This globalization trend has acutely influenced the global issues covered in this workshop. There will be time to integrate ways in which the global issues content can be innovatively incorporated into the school curriculum.

Ethics of IB Coordination (UWC; July 23-27, Montezuma, NM)

As many IB Coordinators work in relative isolation, they are often left with the daunting task of implementing, sustaining, and growing the IB Diploma Programme in their unique situations. The seminar is designed for IB Coordinators who wish to investigate the ethical challenges of their jobs through collaboration and interaction. The topics may include (but are not limited) to the following:

- Fulfilling the spirit and the intent of CAS
- Building a culture of international mindedness
- Establishing the rightful place of ab initio in Language B
- Recruiting students
- Trading off between the rigor and the accessibility of the programme
- Building capacity in students and teachers

History Seminar (UWC; July 23-27, Montezuma, NM)

Created as an in-depth, collaborative workshop, this session is open to anyone who is teaching IB History but is not an introduction to the History program; rather this is meant to cover the particular content area. The focus will be on the origins and nature of the Cold War, the stages and worldwide developments of the Cold War, and the end of the Cold War. Most of the workshop will be spent in discussion and in the sharing and creating of lessons.

**There is an assigned reading as well as materials to bring to the workshop. Please contact UWC for details.*

Math HL (UWC; July 23-27, Montezuma, NM)

This workshop is for experienced IB teachers of Higher Level mathematics. The focus of this Level 3 Mathematics Workshop is to provide teachers with a deeper understanding of the several areas of difficulty within the program. The objectives of this workshop are :

- To provide deeper instruction on two of the four options in the IB HL syllabus and ways to teach them to your classes. The option topics will be Section A Probability and Statistics and Section C Series and Differential Equations.
- To help develop productive core units in vectors and probability.
- To understand the makeup of portfolio assignments and to learn to develop them for your class.
- To develop a working group of teachers who will serve as resources and sounding boards for one another.
- To answer questions about extended essays for those who are managing them

Focus on Literature: Prose other than Fiction (UWC; July 23-27, Montezuma, NM)

This summer's workshop for teachers of IB students will focus on two things:

- Four texts by writers, three of whom are listed on the Prescribed IB English A1 Book List A special focus on commentary from works other than fiction. This kind of oral performance has proven somewhat problematic for students; part of the seminar will explore improved approaches and enabling techniques for students.

The four texts are

- The Interesting Narrative of Olaudah Equiano, an eighteenth-century account of an African man, his life and journeys
- City of Djinns: A Year in Delhi, a travel narrative by William Dalrymple
- Lost in Translation, by Eva Hoffman, an autobiography of migration and exile from Eastern Europe
- The Lives of Animals, by J.M. Coetzee, two lecture/essays on the rights of animals by a distinguished South African novelist

Interdependence in World History: A Holistic Teaching Model (UWC; July 23-27, Montezuma, NM)

This workshop presents a holistic, "big picture" overview of world history through a model of historical waves of change: communal, agricultural, urban, modern, and global. This innovative teaching approach weaves world history within an interdependent system in which all the economic, cultural, environmental, political and social parts dynamically interact. Using world history standards, we will design creative and inquiry based methods for incorporating this unique approach to the world in K through 12 classrooms.

MIDDLE YEARS PROGRAMME

Special Education Needs and the MYP (IB ARMS; June 17-20, Keystone, CO)
Back by popular demand, this seminar utilizes the Guide To Candidates with Special Educational Needs published by the IBO to focus on the challenges faced by North American schools in integrating special needs students into the MYP. The workshop format combines lecture, best practice sharing and small group work and presentations.

CONTINUUM

Action Research through the Continuum (PYP/MYP/DP)
(UCC; July 11-13, Toronto, ON)

An effective way to honor the questions, expertise, observations and learning of teachers is in a professional Action Research model. Action Research moves intuitive good teaching to intentional effective teaching practices and celebrates the teacher as the researcher. In this seminar, teachers will develop an area of professional inquiry and develop an action research model including literature reviews, methods of collecting and analyzing data and will use this information to make informed decisions about their teaching. This year's theme for IBNA'S Journal of Best Practice is Action Research. **Please contact UCC for suggested reading list*