Course Information

Course title: Explorations in Research
Course number: IDH3006.01 and IDH 3006.09
Course description: In order to continue learning about exciting research opportunities in a wide variety of disciplines, you will be exposed to different research methods followed by many faculty members at FIU. As well, you will continue to be exposed to different artistic initiatives taking place at FIU. You will find out more about how faculty come up with an idea for research, how research methods are applied in different disciplines, and how you, as a student, can become involved in the Student Research and Artistic Initiative (SRAI) of the Honors College.

Many of the activities taking place during the semester are off-campus and it is important for you to understand that you will have to make arrangements to fully participate in the course.

Course date: Monday, January 9, 2006 through Friday, April 21, 2006
Location: PC-439
Meeting day(s): Tuesdays and Thursdays
Meeting time(s): 12:30-13:45

Instructor Information

Name: Dr. Irma T. Alonso
Email: If you want a reply within 48 hours, please contact me through the email provided by WebCT
Office location: DM-318A
Office hours: Tuesdays and Thursdays 10:30-12:00
Phone: 305-348-2318

Instructor Information

Name: Dr.Krish Jayachandran
Email: jayachan@fiu.edu
Office location: ECS-337
Office hours: Tuesdays and Thursdays 2:00-4:00 pm, and by appointment
Phone: 305-348-6553
Biography: Ph.D. in Plant Pathology from Kansas State University, Manhattan, KS. Expertise in Environmental Sciences: Microbiology, Soils, Plants, and Water.

Course Goals

Course goals: The purpose of this course is to get students involved in the research and artistic initiatives taking place at FIU. In order to accomplish this goal, many activities have been scheduled during the semester. Some of these activities are off-campus requiring the students to make arrangements in order to take advantage of all learning experiences.

Policies

Introduction: Policies and regulation of FIU apply at all times.
Please check the Student Handbook for policies and regulations.

FIU now offers plagiarism detection services through Turnitin.com. This is an internet-based service for screening student papers for verbatim text and identifying the sources.

Work submitted after the deadline is severely penalized, so make sure to turn in your work on time, if you want full credit for it.

### Academic Misconduct

#### Topics: Plagiarism Policy Of The Honors College

**Honor in Honors**

In The Honors College, the term “honor” refers both to academic accomplishment and character. Students in Honors should therefore adhere to and be held to the highest standards of personal academic accountability. Academic dishonesty in any form, including plagiarism, is antithetical to the very definition of being an Honors student at FIU. Consequently, an Honors College student found responsible for academic misconduct will be dismissed from the College.

Academic misconduct is a violation of the University Code of Standards, the Code of Academic Integrity, the ethical relationship between the student and the academic community, and especially between the student and the instructor. It is the responsibility and prerogative of the instructor to make an initial determination about the extent and severity of an instance of academic misconduct; the instructor may opt to make a referral for further adjudication in appropriate cases.

**Plagiarism**

This Policy views plagiarism as one form of academic misconduct, and adopts the definition of the university’s Code of Academic Integrity, according to which plagiarism is the deliberate use and appropriation of another’s works without any indication of the source and the representation of such work as the student’s own. Any student who fails to give credit for the ideas, expressions or materials taken from another source, including internet sources, is guilty of plagiarism.

Examples of plagiarism include, but are not limited to:
- Term papers acquired online or from other sources;
- Copying of original material without attribution;
- Use of other students’ work;
- Copying and pasting, verbatim, information from Internet sources, without quotation marks and correct citation.

**Availability of Information**

All Honors students are expected to know what constitutes academic misconduct and to be willing to abide by all university policies on academic conduct and integrity. In order to facilitate this, The Honors College will prominently post and distribute information and links on these policies, and will strongly encourage students to review the Code of Academic Integrity, which is part of the FIU Student Handbook.

Faculty of The Honors College will:
- Describe in or link to their syllabi information about the academic conduct policies of the University, the College, and the instructor, and
- Provide clear statements defining plagiarism and cheating in their syllabi.

**Procedures and Penalties**

**Procedures**

Charges of Academic Misconduct may be brought against an Honors student by an Honors faculty member. If the faculty member suspects plagiarism or other forms of academic misconduct, within one week of the discovery of the suspected act the faculty member will hold an informal meeting with the student in order to inform
him/her of the allegation(s), provide any evidence available, and allow the student to respond. The faculty member will decide whether to pursue informal resolution, file formal resolution charges, or take no further action, and will follow the procedures outlined in the Academic Misconduct Procedures, available at http://www.fiu.edu/~oabp/misconductweb/1acmisconductproc.htm. The student will have the right to appeal the outcome of the meeting with the instructor within one week of the faculty’s decision, when the decision is to pursue informal resolution or file formal resolution charges. The appeal will take the form of a letter to the Dean outlining the circumstances of the case and the reason for the objection to the professor’s recommendation. The Dean or his designee will examine the case and make a final determination about the pursuit of Informal Resolution or the filing of formal resolution charges.

Penalties
An Honors College student found responsible for plagiarism or other academic misconduct by informal resolution or formal resolution will receive an F in the relevant Honors course, and will be dismissed from Honors by the Dean, effective from the end of the semester in which the infraction occurs. Dismissal will be in writing and will entail the loss of all privileges and benefits of being in The Honors College, and the student will not be readmitted to The Honors College. The decision of the Dean will be final. This decision relates solely to the student’s status in The Honors College and does not affect the student’s right to appeal the original faculty decision. The penalty of dismissal from The Honors College may apply to academic misconduct in any course within Florida International University and not only to courses offered by The Honors College. In the case of courses outside The Honors College, the Dean of The Honors College will rely on the Office of the Provost for notification about the infraction(s). More stringent penalties, such as dismissal from the university, may be pursued through the university’s established academic misconduct process.

This Policy follows the University Academic Misconduct Procedures of the Code of Academic Integrity, with modification to provide for appeal within The Honors College.

Course Requirements

Introduction: The requirements of this course are varied.

Requirements:
1. Written reports evaluating different research methods followed in various disciplines (25%)
2. Written reports evaluating Artistic Initiatives at FIU (10%)
3. Written reports evaluating Field Trips (10%)
4. Learning SPSS on your own through various assignments (10%).
5. Participation in Library workshops (10%).
6. Participation in the activities of the Honors College (10%).
7. Class attendance and participation in class discussions (10%).
8. Presentation of final project, which may include:
   (a) participation at a panel or (b) presentation of a poster of your research project at the Research Day at FIU on March 30/06. Other alternatives may include (c) a report of a research project developed during the academic year for any other course, (d) the approval of the senior thesis proposal, or (e) participation in the Wolfsonian-FIU Annual Student Research Contest (see Lesson 12). (15%).

Lesson 1
Lesson: Artistic Initiatives
Topics: Friday, January 20/06: Frost Museum, Exhibition: Ruben Torres Llorca: Modelo Para Armar (Easy-to-build)

Friday, February 17/06: Frost Museum, Critics' Lecture Series: Glenn Lowry, director of the Museum of Modern Art. GL-100 at 8:00 pm

Friday, March 31/06 at 2:00 pm: The Wolfsonian: Exhibition: Revolutionary Tides: The Art of the Political Poster, 1914-1989

Tuesday April 4/06: Frost Museum: Curator of Education: Gonzalo Battaglia, PC-110, 12:30pm

Assignments: After each activity has taken place, submit a written report, evaluating the learning experience. Due date: The next class following the activity.

An alternative to any one of these activities is a tour of one of the exhibitions at the Miami Art Museum. These tours are offered free of charge on Sundays at 2:00 pm.

Lesson 2
Lesson: Library Workshops
Objectives or Goals: To continue developing research skills using Internet resources.

Topics: RefWorks
Thursday, Jan. 12/06
Thursday, Jan. 19/06
Thursday, Jan. 26/06
Thursday, Feb 2/06
Place: GL-280

Assignments: Turn in assignments as required by the FIU Librarians.

Lesson 3
Lesson: SPSS
Objectives or Goals: The purpose of these assignments is that through these exercises you continue learning SPSS on your own.

Topics: If possible, use the same Data Set as last semester, to complete the following assignments:

1. Assignment 4: Testing Research Hypotheses for Two Independent Samples
2. Assignment 5: Testing Research Hypotheses about Two Related Samples
3. Assignment 6: Comparing Independent Samples with One-Way ANOVA
4. Assignment 7: Comparing Related Samples with GLM Repeated Measures ANOVA
5. Assignment 8: Measuring the Simple Relationship Between Two Variables
6. Assignment 9: Describing Linear Relationship Between Two Variables
7. Assignment 10: Assessing the Association Between Two Categorical Variables.

Assignments: Due dates: Late submissions are severely penalized.
Assignment 4: Thursday Jan. 19/06
Assignment 5: Thursday Jan. 26/06
Assignment 6: Thursday Feb. 2/06
Assignment 7: Thursday Feb. 9/06
Assignment 8: Thursday Feb. 16/06
Assignment 9: Thursday Feb. 23/06
Assignment 10: Thursday March 2/06

Lesson 4
### Lesson 4
**Research Methods in Some Professions**

**Objectives or Goals:**
To learn about different research methods followed in various professions.

**Topics:**
1. 1/17/06 Research in Cases and Statutes: Ms. Cristina Ceballos-Levy
2. 1/24/06 Research in Corporate Law and Authorities: Mr. Guillermo Levy
3. 1/31/06 Nursing: Dr. JoAnne Youngblut
4. 2/7/06 Architecture: Senior Assistant Dean John Kneski
5. 2/9/06 Remote Sensing, GIS, Global Positioning Systems, Environmental Studies: Dr. Assefa Melesse

**Assignments:**
1. At each presentation, complete the worksheet provided.
2. Tuesday Feb 14/06: Submit report evaluating, contrasting, and comparing research methods followed by various researchers in their respective professions.

### Lesson 5
**Research Methods in the Social Sciences and Humanities**

**Objectives or Goals:**
To continue exposing students to research methods followed in various disciplines.

**Topics:**
1. 2/14/06 Psychology: Dr. Consuelo Boronat
2. 2/16/06 Economics: Dr. Manuel Carvajal
3. 2/21/06 Political Science: Dr. Ivelaw Griffith
4. 2/23/06 History: Dr. Mark Szuchman

**Assignments:**
1. At each presentation, complete the worksheet provided.
2. Tuesday, Feb 28/06: Submit report evaluating, contrasting, and comparing research methods followed by various researchers in their respective disciplines.

### Lesson 6
**Research Methods in the Natural Sciences**

**Objectives or Goals:**
To continue exposing students to different research methods followed in various disciplines.

**Topics:**
1. 2/28/06 Forensic Chemistry: Dr. Jose Almirall
2. 3/2/06 Astronomy: Dr. Caroline Simpson
3. 3/16/06 Marine Biology: Dr. Chris Brown

**Assignments:**
1. At each presentation, complete the worksheet provided.
2. Tuesday March 28/06: Submit written report evaluating, comparing and contrasting research methods followed by the different researchers.

### Lesson 7
**Research Methods in Business**

**Objectives or Goals:**
To continue exposing students to different research methods followed in various disciplines.

**Topics:**
1. 3/7/06 Decision Sciences and Information Systems: Dr. Irma Becerra-Fernandez
2. 3/9/06 Entrepreneurship: Dr. Jose Almirall
3. 3/14/06 Marketing: Dr. Kim Taylor
4. 3/28/06 Advertising: Mr. Andrew Speyer

**Assignments:**
1. At each presentation, complete the worksheet provided.
2. Tuesday April 4/06: Submit written report evaluating, contrasting and comparing the different research methods followed in the various disciplines.

### Lesson 8
**Research Methods in the Arts**

**Objectives or Goals:**
To continue exposing students to different research methods followed in various disciplines.
### Lesson 9

**Field Trips**

- **Objectives or Goals:** To continue exposing students to research methods followed in various disciplines.

- **Topics:**
  1. Interdisciplinary research workshop, Friday January 27/06, 9:00 to 12 noon, TBA. NSF program officers are coming to give the workshop. The objective is to highlight the research opportunities available at NSF, proposal writing, review process, graduate and undergraduate students research opportunities. Students will gain a tremendous exposure to overall mission and operations of NSF. Some may get interested to do internships at the NSF.
  2. Visit to the Fairchild Tropical Botanical Garden Research Center, Friday March 17/06
  3. Visit to The Everglades National Park: Dr. Jayachandran, Friday April 7/06
  4. Visit to the United States Department of Agriculture, Old Cutler Road, Research Station, Friday April 14/06

- **Assignments:** Students will select at least three of these activities. After each activity, submit written report evaluating the learning experience.

### Lesson 10

**Participation in activities of the Honors College**

- **Objectives or Goals:** To get involvement in the activities of the Honors College.

- **Topics:**
  1. SRAI Conference Poster/Abstract Workshop: 10:00 am, Jan 13/06, DM-223
  2. Poster Workshop: Thursday February 9/06 in the afternoon or Friday February 10/06 during the morning.
  3. Tutorials on Presentations available at: http://www.fiu.edu/~honors/pedagogy/resources/posterlinks.htm
  4. SRAI Conference: Research Day at FIU, March 30/06 at 12:00 noon, MARC Pavilion. **Attendance is mandatory.**
  5. April: Excellence Lecture at BBC, TBA
  6. Honors Hour: Wednesdays at 12:30 pm (attend at least two of these sessions)
  7. Others: TBA

- **Assignments:** After each activity has taken place, submit a written report evaluating each learning activity.

### Lesson 11

**Final Report**

- **Objectives or Goals:** To show progress achieved by getting involved in SRAI.

- **Assignments:** For the Final Report of the Seminar, you can choose one of the following five alternatives:
  1. Participation in one of the panels at the Research Day at FIU.
2. Participation in Research Day by presenting a poster of your research project.
3. A written report and a class presentation of a research project you have developed during the year for any other course.
4. The approval of the proposal for the senior thesis.
5. Participation in the Wolfsonian-FIU Annual Student Research Contest (see Lesson 12 for details).

Lesson 12

**THE WOLFSONIAN-FIU FIRST ANNUAL STUDENT RESEARCH CONTEST**

**Objectives or Goals:**
The Wolfsonian-FIU seeks to recognize outstanding research by FIU students who have used in a significant way the resources of the museum library, which includes rare books, periodicals and ephemera. The projects may take the form of a paper or a digital project based on Wolfsonian material. In addition to library resources, students may also integrate objects in Wolfsonian exhibitions and publications into their research. Digital resources are limited to those available on the Wolfsonian website. In addition to the cash prizes, the research projects will be posted on the Wolfsonian’s website.

**Topics:**

**Deadline March 6, 2006**
Award of $300 for an Undergraduate Project will be announced in the spring semester

**Rules:**
Applicants must be FIU Students (at any level) enrolled in the fall 2005 or spring 2006 semester.

The research paper may have been submitted for course credit at FIU during either the fall 2005 or the Spring 2006 semester, but there is no requirement that the paper be submitted for course credit.

The paper must rely significantly on resources in The Wolfsonian’s library collection.

**About the Wolfsonian**
The mission of The Wolfsonian as a museum and research center is reflected in its multidisciplinary approach to looking at objects as both agents and expressions of change. It does so through exhibitions, publications, educational programs, and individual scholarship. While these objects can best be understood in the context in which they were created, they illuminate as much about our times as they reveal about their own.

The following statement describes The Wolfsonian mission:
The Wolfsonian-Florida International University uses objects to illustrate the persuasive power of art and design, to explore what it means to be modern, and to tell the story of social, political, and technological changes that have transformed our world. It encourages people to see the world in new ways, and to learn from the past as they shape the present and influence the future. The collection

The Wolfsonian–FIU maintains a collection of artifacts primarily of North American and European origin, dating from 1885–1945. The objects include a variety of media: furniture; industrial-design objects; glass, ceramics, and metalwork; rare books; periodicals; ephemera; works on paper; paintings; textiles; and medals.
The nations most comprehensively represented are the United States, Great Britain, Germany, Italy, and the Netherlands. There are also smaller but significant collections of materials from a number of other countries, including Austria, Czechoslovakia, France, Japan, the former Soviet Union, and Hungary.

**Requirements for submission:**
An application cover sheet with the following information: name, student status, degree program, expected graduation date, mailing address, email address, phone number, the instructor and the name of the course for which the paper was submitted for credit (if applicable), and a one paragraph abstract.
The research paper should be approximately 10-20 pages for undergraduate students and 15-30 pages for graduate students. It must include bibliographical references and use the citation format appropriate to the discipline.

Papers must demonstrate extensive research using the resources of The Wolfsonian’s rare books library. Students are also encouraged to bring other research materials into their paper.

Digital Projects An example of a successful digital project using both visual and written material can be found on the Stanford Humanities Lab website. http://shl.stanford.edu/research/crowds.html

How to use the Wolfsonian Resources
The Wolfsonian library is the main source of collection information. The library has an extensive reference collection, holds copies of all museum catalogues and publications, and is an excellent resource for background reading on our period. The library is open by appointment only, Monday–Friday, 9:30 AM–4:45 PM, and Saturday, 12:00–6:00 PM. To schedule a visit, please contact the librarians at least 24 hours in advance at 305.535.2641/2640 or e-mail library@thewolf.fiu.edu. You can view part of the collections online at http://www.wolfsonian.fiu.edu/collections

Judges: A panel of Wolfsonian staff and FIU faculty will review entries and select the awardees. Projects will be judged with appropriate expectations for class rank and for discipline.

If you would like more information regarding this contest or other information on the collection please contact Regina Bailey at regina@thewolf.fiu.edu or 305-535-2649.

**Grading**

| Objectives or Goals:       | 1. Deadlines have been established to be followed. |
|                           | 2. Late submissions are severely penalized.       |
|                           | 3. All written reports evaluating different research methods must be accompanied by the completed worksheets. |

| Topics:                  | Grade distribution: |
|                         | 100-95 A            |
|                         | 94-90 A-            |
|                         | 89-85 B+            |
|                         | 84-80 B             |
|                         | 79-70 C+            |
|                         | 69-60 C             |
|                         | 59-50 D             |
|                         | 49-0 F              |