FLORIDA INTERNATIONAL UNIVERSITY
DEPARTMENT OF EARTH AND ENVIRONMENT

EVR 4211L – WATER RESOURCES LAB

Fall 2018

Time:               Tuesday 8:00-10:45am
Location:          ECS 165
Instructor:       Michael Kiflai
Email:               mkiflai@fiu.edu
Office Hours:   By appointment, PC 325

Course Description and Purpose

The Water Resources Lab is designed to supplement the EVR 4211 Water Resources Lecture course. EVR 4211L will introduce widely accepted procedures in the examination of water. Such procedures include physical, chemical, and biological methods of examination. EVR 4211L will reinforce and expand on principles learned in the Water Resources lecture.

Course Objectives

Upon completing this course, students will be able to:

• To identify an overview of water resources and associated environmental problems.
• To introduce and practice several field and laboratory methods to analyze the physical, chemical, and biological properties of water resources.
• To recognize the different features of several water reservoirs and the different methods employed to assess their condition.

COURSE CALENDAR:
**COURSEWORK REQUIREMENTS:**

**Lab Reports:**

Lab Reports are a systematic way to present your time, efforts, and work. Proper reporting techniques are very important and therefore Lab Reports receive the greatest weight of your final grade, as seen below. Specific ‘Guidelines for Writing Lab Reports’ will be provided by the instructor and will outline proper format and content of the Lab Report.

**Submitting lab report:**

Save your work as a MS word document (.doc or .docx) unless otherwise indicated. Name the file as: Experiment number_Last name_PID. For instance, if I am submitting the first experiment, the name of the file would be: Ex1_Sikder_1234567.docx. Upload your report to the corresponding blackboard folder. You can upload multiple versions of the report, the final attempt uploaded within the due time will be graded. Use meaningful and descriptive captions for Figures and Tables in the report. When imbedding Figures from other sources/applications, use a resolution that can be easily read and understood. Do NOT insert blurry pictures taken by your phone unless it is necessary.

**Examinations:**

The Examinations will provide you the opportunity to refresh your knowledge of the overarching principles discovered through this lab. They will also serve to assess your understanding of these principles.
Project Paper & Presentation:

Throughout the course you will be required to work in groups in order to record data about water reservoirs (lakes, canals, and groundwater) and to evaluate their condition using the collected information. You will need to get your topic approved, along with a project outline, by the instructor. This investigation will result in a Project Paper and Presentation. The format of the paper will model that of a scientific journal. Further details on the format and content will be provided by the instructor.

Class Participation:

Since student participation is central to a laboratory course, it is given the weight 10% of the final grade. Factors that affect Class Participation include: student integrity, presence and punctuality in the lab, active engagement in discussions, etc.

COURSE EVALUATION:

<table>
<thead>
<tr>
<th></th>
<th>Weight of Grade</th>
<th>Exam date/Due date</th>
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<tbody>
<tr>
<td>Lab Reports</td>
<td>50%</td>
<td>Next Lab</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>20%</td>
<td>October 16</td>
</tr>
<tr>
<td>Project Paper &amp; Presentation</td>
<td>20%</td>
<td>November 20</td>
</tr>
<tr>
<td>Class Participation+ Attendance</td>
<td>10%</td>
<td>Every Tuesday</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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COURSE POLICIES:

- Attendance is mandatory, so you are expected to attend all lab classes and arrive on time.
- If you miss more than two classes, you will automatically fail the course.
- Please be sure to silence all mobile phones before entering the lab. Eating and drinking are prohibited inside the lab.
- Make-up labs are not allowed. (Lab reports will not be accepted if the author was not present for the lab.)
- Make-up exams may be given only in the case of proven emergencies. Such emergencies will need to be cleared by the instructor well in advance.

Late Work:

Lab Reports are due at the beginning of the following lab. Turn them in ON TIME! Ten percentage points will be deducted for each day late. Late Lab Reports will not be accepted after one week past the due date.

The Project Paper and Presentation are due on the date listed above. Late submission of the Project Paper will result in a five percentage point deduction for each day over due and will not
be accepted once the final exam has been given. Students must be present for their group presentation. Missing this, without a legitimate and instructor-cleared conflict will result in a score of zero for the presentation portion of the project.

Conduct:

All students are expected to show respect towards the Instructor and fellow classmates. The Instructor reserves the right to ask you to leave or have you removed if disrespectful or disruptive behavior is present. Such behavior may bring about official disciplinary procedures as outlined in the Student Handbook. PLEASE TURN OFF YOUR CELL PHONES!!!!

Disability Services:

Students with disabilities who may need accommodations for this class are required to notify the instructor and contact the Disability Resource Center (DRC) early in the semester so that reasonable accommodations may be implemented as soon as possible. We cannot make accommodations without the direct instruction of the DRC. The Disability Resource Center offers a wide variety of legally mandated services to students with documented disabilities. After reviewing your documentation, a Disability Specialist will determine appropriate academic services and accommodations, depending on your functional limitations in the academic setting. You will then be responsible for requesting accommodations in a timely manner and for following DRC policies and procedures for accessing accommodations. The same rules apply for absences and tardiness, being a DRC student does not exempt you from bringing appropriate documentation. For example, if you were at the doctor’s office you must bring in documentation confirming this was the case.

Academic Misconduct Statement

Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas and community service. All students should respect the right of others to have an equitable opportunity to learn and honestly to demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the Student Handbook.

Academic Misconduct includes:

Cheating – The unauthorized use of books, notes, aids, electronic sources; or assistance from another person with respect to examinations, course assignments, field service reports, class recitations; or the unauthorized possession of examination papers or course materials, whether originally authorized or not.
Plagiarism – The use and appropriation of another’s work 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 ideas, expressions or materials taken from another source, including internet sources, is responsible for plagiarism. Any student helping another to plagiarize may be found guilty of academic misconduct.

All of the Following are Considered Plagiarism:

- Turning in someone else's work as your own.
- Copying words or ideas from someone else without giving credit.
- Failing to put a quotation in quotation marks.
- Giving incorrect information about the source of a quotation.
- Changing words, but copying the sentence structure of a source without giving credit.
- Copying so many words or ideas from a source that it makes up the majority of your work, whether you give credit or not.
- Submitting a copy of your own work to satisfy the requirement of a second class without informing your instructor.

Learn more about the academic integrity policies and procedures (Links to an external site.) as well as student resources (Links to an external site.) that can help you prepare for a successful semester.

Important Information

Before starting this course, please review the following pages:

- Accessibility and Accommodation
- Academic Misconduct Statement

*The professor reserves the right to change or modify the syllabus at any time during the semester.

Sample Grading Scheme

<table>
<thead>
<tr>
<th>Letter</th>
<th>Range%</th>
<th>Letter</th>
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<th>Letter</th>
<th>Range%</th>
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<tbody>
<tr>
<td>A</td>
<td>95 or above</td>
<td>B</td>
<td>83 - 86</td>
<td>C</td>
<td>70 - 76</td>
</tr>
<tr>
<td>A-</td>
<td>90 - 94</td>
<td>B-</td>
<td>80 - 82</td>
<td>D</td>
<td>60 - 69</td>
</tr>
<tr>
<td>B+</td>
<td>87 - 89</td>
<td>C+</td>
<td>77 - 79</td>
<td>F</td>
<td>59 or less</td>
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