CLASS DESCRIPTION FORM

CODE   TITLE

Class Registrar: Prof Robert M Kalin  Taught To (Course): MSc and Final Year

Other Lecturers Involved:

Assumed Prerequisites:

Credit Weighting: 10  Semester: 2

Compulsory/ optional/ elective class  Academic Level: MSc and Final Year

Class Format and Delivery (hours):

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Tutorial</th>
<th>Laboratory</th>
<th>Project</th>
<th>Assignments</th>
<th>Private Study</th>
<th>Total</th>
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</thead>
<tbody>
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<td>24</td>
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<td>40</td>
<td>36</td>
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Educational Aim

Successful completion of this module should provide the student with an understanding of:

- An understanding of Environmental Forensics as a Discipline
- An understanding of a range of contaminants found in the Environment, and their Fate and Transport
- Approach and analytical techniques to determine the responsible parties for contamination found in the environment
- Real-world applications of Environmental Forensics

Learning Outcomes

On completion of the class the student is expected to be able to

LO1  demonstrate an understanding of the use of environmental science data within a legal framework including interpretation of real world application of Environmental Forensics

LO2  demonstrate an understanding of the methods for collecting environmental data and how the process of collecting data is managed within a Legal Environmental Forensics framework.

Syllabus

The class will teach the following:

- Lectures on the Legal Framework that shapes Environmental Forensics
- Lectures on scientific and environmental investigation techniques used in Environmental Forensics
- Review of real case studies that have been determined using Environmental Forensics
- Provide a workshop for novel and state of the art methods used in Environmental Forensics

Assessment of Learning Outcomes

Criteria

For each of the Class Learning Outcomes the following criteria will be used to make judgements on student learning:

LO1 will be assessed through evaluation of the coursework assignment and through informative assessment in class discussion periods

LO1 and LO2 will be assessed formally through an examination

The standards set for each criterion per Class Learning Outcome to achieve a pass grade are indicated on the assessment sheet for all assessment.
12 Principles of Assessment and Feedback

Informative assessment through feedback on coursework submission and group discussions will provide the students with the ability to gauge their learning against the expected outcomes.

Feedback in group discussions will be immediate and for the coursework, feedback will be provided within 2 weeks of submission of the project.

Assessment Method(s) Including Percentage Breakdown and Duration of Exams

<table>
<thead>
<tr>
<th>L/Outcomes</th>
<th>Examinations</th>
<th>Courseworks</th>
<th>Projects</th>
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<tbody>
<tr>
<td>Number</td>
<td>Duration</td>
<td>Weighting</td>
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<tr>
<td>1</td>
<td>3</td>
<td>50%</td>
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<td>LO1 and LO2</td>
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Indicate which learning outcomes (LO1, LO2 etc) are to be assessed by exam/coursework/project as required.

Coursework / Submissions deadlines:

24th March 2014

Resit Assessment Procedures:

All coursework must be submitted. Resit for the examination can be arranged during scheduled periods.

PLEASE NOTE:

Students need to gain a summative mark of 40% / 50% (please delete as appropriate) to pass the class. Students who fail the class at the first attempt will be re-examined during the August diet. This re-examination will consist entirely of exam / coursework / viva (please delete as appropriate).

Recommended Reading

All text books and reading materials required for the module are available on MyPlace

Additional Student Feedback

(Please specify details of when additional feedback will be provided)

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<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Room No</th>
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<tr>
<td>24th Feb</td>
<td>1:00pm</td>
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Session: Informative 1:1 meetings with students

Approved:

Course Director Signature:

Date of Last Modifications:

(Updated November 2010)
CLASS TIMETABLE

Class Code: CL960  Class Title: Environmental Forensics

Brief Description of Assessment:
Coursework Assignment 50%
Examination 50%

Assessment Timing:-
Indicate on the table below the Start/Submission dates for each Assignment/Project and the timing of each Exam/Class Test(s).

<table>
<thead>
<tr>
<th>Semester Two</th>
<th>WK1</th>
<th>WK2</th>
<th>WK3</th>
<th>WK4</th>
<th>WK5</th>
<th>WK6</th>
<th>WK7</th>
<th>WK8</th>
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<th>WK10</th>
<th>WK11</th>
<th>WK12</th>
<th>Exam Period</th>
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Exam Period:
- Semester Two
  - WK10: x
  - WK12: x