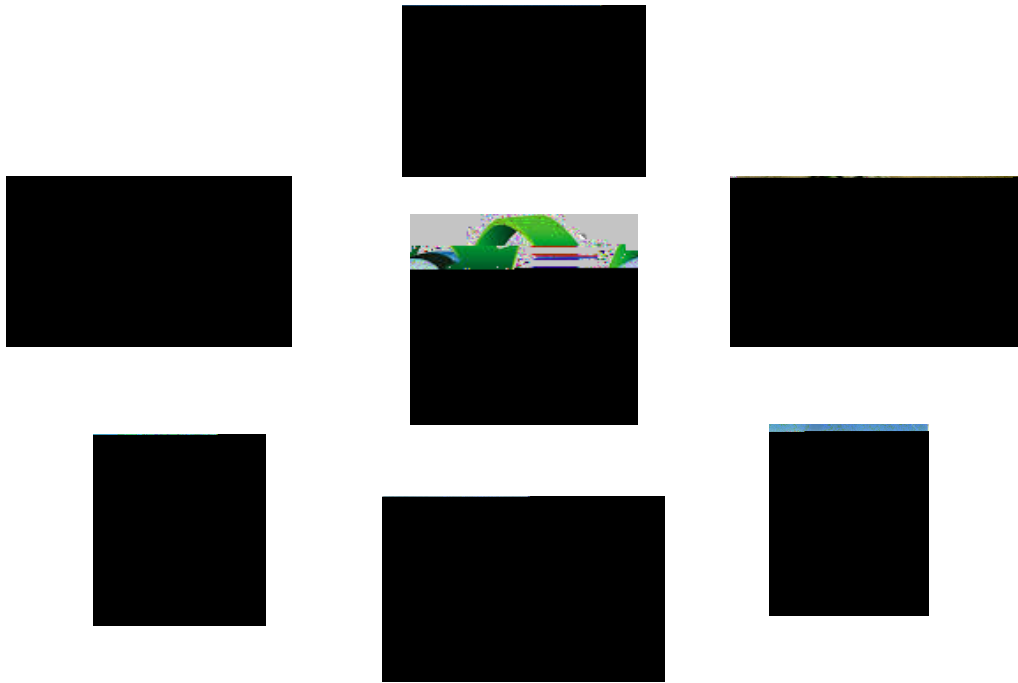


COURSE MANUAL

ENVIRONMENTAL MICROBIOLOGY (MICR3071)

MARINE MICROBIOLOGY (MICR9071)

2022



SCHOOL OF BIOTECHNOLOGY AND BIOMOLECULAR SCIENCES

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School of Biotechnology and Biomolecular Science

MICR3071

Environmental Microbiology

MICR9071

Marine Microbiology

MICR3071/MICRO9071 Term 1 2022

I certify that:

I have read and understood the University Rules in respect of Student Academic Misconduct and plagiarism.

I have read and understood the assessment requirements for the course

I have read and understood the laboratory safety procedures as set out in the laboratory protocol book

Signature:

Date:

DIVERSITY AND INCLUSION:

In an ideal world, science would be objective

SUSTAINABILITY AND INDIGENOUS KNOWLEDGE:



COVID-19 and effects on teaching and learning experience

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Assessment information:

The mark for the course will be allocated as follows:

Major research project- scientific paper (total 35%):

This is a report on the research project that you and your group will be planning and carrying out during weeks 2-8. The assessment for this project is in two parts:

- 1) The submission of a draft report in week 7 (worth 10%)
- 2) The final report submission in week 11 (worth 25%)

The final report will be in the format of a scientific paper and aims to assess learning outcomes 2, 3, and 4 (see page 1). Although the lab work will be done as a group, your report on that work must be done individually. You will be given detailed information on this project during the first lecture in week 1 and tutorial & laboratory sessions in week 2 and 3. You will be given guidance on scientific report writing during both the laboratory and tutorial sessions. This is a major assignment and so should not be left to the last minute to complete. Therefore, as part of the learning process you will be required to submit a draft report in week 7.

More details on the requirements for your reports will be given throughout the course. You will be provided with feedback on your draft report that can be incorporated into your final report.

Presentation of review topic (total 15%):

This is intended as an exercise in information literacy and presentation skills and thus will be assessing learning outcomes 3 and 4 (see page 4). In a small group (of say 3-4), you will be asked to choose a topic of interest to you related to environmental microbiology. You will be given guidance in this during the laboratory and tutorial sessions. The assessment for this project is as follows:

- 1) As a group, you will present your findings in this area as a short group talk during the final 2 laboratory sessions (weeks 9 and 10).
- 2) Marking will be a combination of course coordinator and peer reviews (10% coordinator mark plus 5% peer assessment).

Note: Although this is a group task, individual marks of the talk component can be moderated by the course coordinator dependent on how each student performs/presents.

It is planned to hold these talks if possible in person if current health guidelines allow, as this will provide students with important skills in presentation. If situations change, we can revert to online presentations as needed.

Final examination (40% total):

Final examination:

Due to COVID-19 restrictions, the final exam will be held online and ran through Moodle.

The two-hour paper will consist of four (4) essay-type questions worth equal marks (10% each). Students will have eight (8

Academic honesty and plagiarism:

Plagiarism is the presentation of the thoughts or work of another as one's own.*

Examples include:

- direct duplication of the thoughts or work of another, including by copying work, or

