l6 (January – April 2021)
:20 PM; Lecture Room: Online Zoom
34b, E-mail: <mazumder@uvic.ca></mazumder@uvic.ca>
Student projects
Selection and assignment of research topic for individual
student
Student
Lecture-2 Nutrients, Eutrophication, Water Quality and
Harmful Algae
Tidilina Tilgat
Lecture-3 Aquatic Foodwebs, trophic interactions and
fisheries
Project Presentation: 4, 6, 7
Project Presentation: 8, 9,
Project Presentation: 10, 11, 12, 13, 14,
Project Presentation 15, 16, 17, 18,
13, 10, 17, 18,
Project Presentation: 19, 20, 21, 22,
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Project Presentation: 23, 24, 25, 26,
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Project Presentation: 27, 28, 29, 30
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c)

RIOLOGY 446 (January – April 2021)

Course evaluation and distribution of marks:

- A) Each student will pick a project paper from the list of papers published in top journals like Science and Nature.
 - 1. Each Student will make an oral presentation (critical synthesis) using the selected paper in terms of the *issue or concept addressed*, *hypothesis or objectives tested*, *methods used and robustness of results and interpretation*. The student will use this paper as a starting point to

develop a critical synthesis presentation on the topic. Note that your presentation is not on the paper you selected, but on the topic and approach. Students will need to review at least 10 published papers related to the topic, either supporting or contradicting the issues addressed in the papers. Use figures and tables from the selected and other reviewed papers to support your critical synthesis. When one student presents her/his synthesis, the remaining students are expected to read up on the topic and participate in Q/A period in a very interactive discussion.

Structure of Project presentation (15 min plus 5 min Q/A:

1. Title Page

- Title Page: Make sure that your title reflects the context of the synthesis (not the title of the selected project paper). Title of your presentation can be as provocative or creative as you want.
- Author (student name)
- 2. Main body of the presentation. Present the structure of your presentation in bullet form.
 - Introduction of the topic: describe the issue, or topic or concept addressed in the project paper and other related papers, its importance as an emerging ecological issue, identify the needs for further research or development in the area. See if there are contradictory views on the topic.
 - **Objectives of your synthesis**: Tell us what you address in your synthesis of the topic, and how you plan to advance the topic
 - **Discussion**: Critical evaluation of existing concepts, theories and models and your opinion on the current state of knowledge on the topic. Make an effort to synthesize results from the other published papers in the area of selected paper, and generate your own way of looking at the results from other papers. You need to use graphs and tables from published papers to support your views.
 - Conclusion: Overall findings and ideas for new directions.
- 3. Bibliography: following standard journal format (use the format of the paper selected, but present the full title of the paper).

Project Presentation total marks: 25%.

- B) Mid-term exam (Feb. 22nd 2021) will cover lecture materials, assigned reading materials if any covered until Feb 8th) Mid-term exam will emphasize on the understanding of concepts as well as factual information presented in the lectures. Total marks: 25%
- C) Final exam (To be scheduled by UVic; will cover lecture materials and assigned reading materials covered after the mid-term exam) Final Exam will emphasize on understanding of concepts as well as factual information. Total marks: 50%