

University of Toronto
at Scarborough

Winter 2015

"MICROBIAL BIOGEOCHEMISTRY"
(EESC30 H3-S L01)

Instructor: Dr. Silvija Stefanovic

Lecture: Friday 1–3pm; BV363

Office: ESCB1tBT11 0 0 6ffo0 6ffo0T43.22 0

Grading:

Assignments (2):	20% (10% each)
Seminar	10%
Participation	5%
Midterm	25%
Final Examination	40%

Assignments:

You will have two individual assignments during the term, each worth 10% of the final grade. You will be able to access the problem sheets on the Blackboard at the times detailed below. The assignments are due during the tutorials at the dates detailed below. More details on the assignments will be circulated during the first tutorial section on of Jan. 19th.

<i>Topic</i>	<i>On the Blackboard</i>	<i>Submission Due</i>
Assignment #1	Jan .19 th	Feb.2 nd
Assignment #2	Mar. 15 th	Mar.29 th

Seminar:

Teams of maximum two students will need to review ONE recent research paper (arch papef 1 333.91 475.6ETBT18 Tm[

Lecture topics:

1. Introduction, ground rules, expectations and course structure.

Concept of microbial biogeochemistry; Microbial ecology, metabolism and energy production

Jan. 8th

2. Ribosomal phylogenies (Guest lecturer: Dr. Roberta Fulthorpe)

Jan. 15th

3. Interactions among microbial populations

Jan. 22rd

4. Interactions between microbes and plants

Jan. 29th

5. **Midterm**