

《English for Science Bridge》 Syllabus

Course Number: NANA2085

Course Name: English for Science Bridge

Course Category: Selective Course

Credits/Contact Hours: 2 Credits: 36 hours

Evaluation Method: Literature Review + Research Proposal

Semester: 3rd semester

Prerequisites: NANA1067, NANA2087

Follow-Up: NANA2086

Lecturer: Ana Horvat, Wendy Teo

Syllabus Author: Ana Horvat

Syllabus Reviewer: Alexander Brandt

Text Book: None

(1) Specific Goals for the Course

This course aims to build on the skills and language acquired in year one with a focus on using English for academic writing in three different academic genres—annotated bibliography, literature review, and research proposal. English for Science Bridge is designed to introduce students to the style of English used in scientific research, as well as to the critical thinking skills necessary to identify topics for analysis, make connections among different research articles, identify research gaps in literature, and make strong arguments.

By the end of the course, students should be able to:

- (i) Use strong oral and written communication skills to express their critical viewpoints and produce more advanced academic texts. (Support Graduation Requirements Indicator 10-1)
- (ii) Use advanced English vocabulary and grammar in applying academic skills to global scientific research. (Support Graduation Requirements Indicator 10-3)

(2) Topics for the Course

At the end of this course, students will be able to:

- Study two science genres related to the IMRAD: literature reviews and research proposals.
- Write an annotated bibliography based on articles published by FUNSOM professors.
- Write a literature review summarizing the annotated bibliography.
- Refine their science reading and writing skills in workshop-style classes.
- Write a research proposal based on their interests and major.
- Create a presentation to share their work.

(3) Assessments for the Course

- **Course Score = Literature Review (LR, 50%) + Research Proposal (RP, 50%)**

- **Achievement of Course Goal = (LR Mean Score*LR Weight*0.5 + RP Mean Score*RP Weight*0.5) / (100*LR Weight*0.5 + 100*RP Weight*0.5)**

Course Goal	LR Weight	RP Weight
(i) Use strong oral and written communication skills to express their critical viewpoints and produce more advanced academic texts. (Support Graduation Requirements Indicator 10-1)	0.5	0.5
(ii) Use advanced English vocabulary and grammar in applying academic skills to global scientific research. (Support Graduation Requirements Indicator 10-3)	0.5	0.5

Rubrics for the Course:

Course Goal	90-100 (Excellent)	75-89 (Good)	60-74 (Pass)	0-59 (Fail)
(i) Use strong oral and written communication skills to express their critical viewpoints and produce more advanced academic texts. (Support Graduation Requirements Indicator 10-1)	Fully addresses all aspects of the task. Expresses opinions and ideas in a clear and concise manner with obvious connection to the topic.	Addresses the task but may not fully develop or include all parts. Opinions and ideas are stated clearly with occasional lack of connection to the topic.	May address a part of the task, but generally does not address the assignment directly. Unclear connection to topic evidenced in minimal expression of opinions or ideas.	Does not address the task. Does not express opinions or ideas clearly; no connection to topic.
(ii) Use advanced English vocabulary and grammar in applying academic skills to global scientific research. (Support Graduation Requirements Indicator 10-3)	Demonstrates excellent understanding of vocabulary definitions and spelling, while	Demonstrates great understanding of the vocabulary definitions and spelling, but are	Demonstrates basic understanding of vocabulary definitions, but fails to correctly	Demonstrates insufficient understanding of the vocabulary definitions and sound

10-3)	<p>managing to produce sound sentences.</p> <p>Shows excellent understanding and application of grammar concepts.</p>	<p>somewhat misplaced and not consistently structured in sound sentences.</p> <p>Shows great understanding of grammar concepts, but sentences lack full clarity and mastery of tenses.</p>	<p>link and/or spell them within sound sentences.</p> <p>Shows basic understanding of grammar concepts, but fail to recognize and use proper tenses to form sound sentences.</p>	<p>application in sentences.</p> <p>Shows insufficient understanding of past, present, and future tenses that conflict with unit goal expectations.</p>
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