

ENGL 0010 English for Multilingual Students

(Formerly known as *English for STEM 1*)

Course Number: 312001040 3 Credit hours

Fall 2017

Course Information

Instructor:	AL Evans
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Tel (Main Office):	28-6259-6919
Office hours:	<i>By appointment</i>
Required Text:	<i>Cambridge English for Engineering</i> by Mark Ibbotson. Cambridge University Press. 2008.

The focus of this course is to improve skills in reading, writing, listening, and speaking and build vocabulary that students need to be successful in their science, technology and engineering courses. The course will consist of language-focused activities based on STEM topics and themes. Pair work, group work and active participation are required in order to improve students' English language proficiency.

Student Learning Outcomes

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

- analyze, describe and summarize written texts, charts, diagrams and graphs on academic, technical and professional topics to identify main ideas and specific details.
- create multi-paragraph texts to express, extend, elaborate, defend and synthesize their own ideas and the ideas of others.
- analyze and summarize spoken texts on academic and professional topics to identify main ideas and specific details.
- produce spoken discourse explaining, describing, clarifying, negotiating meaning, defending a viewpoint with valid support, and responding to information on academic, technical and professional topics.

Activities and Evaluation:

You will be evaluated in many activities according to the grading policy. Activities can include:

Reading Comprehension Activities/Quizzes	<ul style="list-style-type: none">○ Summarizing reading texts verbally and/or in writing○ Answering reading comprehension questions	10%
Writing Activities	<ul style="list-style-type: none">○ Revising drafts○ Writing short compositions, explanations and descriptions	10%
Listening Comprehension Activities/Quizzes	<ul style="list-style-type: none">○ Summarizing listening texts verbally and/or in writing○ Answering listening comprehension questions	10%
Speaking Activities	<ul style="list-style-type: none">○ Spontaneous/semi-spontaneous speech activities○ Prepared speech activities	10%
Midterm Exam		20%
Final Exam		20%
Group Project		10%
Poster Project		10%
		Total 100%

Student Use of Electronic Technology Policy:

Students must use electronic technology (including cell phones, laptops, tablets, and iPads) in appropriate ways during classes. Out of respect, cell phones should generally be turned off or on silent and stored out of sight. They should not be used during classroom activities unless the instructor has given permission. Electronic devices are forbidden during quizzes, tests or other in-class graded assignments, unless the instructor has given permission. Technology use in this class is meant to improve the learning environment for all students. Please be respectful of your instructor and classmates and use the technology appropriately.

If you have questions about what this means, please talk to your individual instructor.

Letter Grades:

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
97- 100%	93- 96%	90- 92%	87- 89%	83- 86%	80- 82%	77- 79%-	73- 76%	70- 72%	67- 69%	63- 66%	60- 62%	0- 59%

Recording:

To ensure the free and open discussion of ideas, students may NOT record classroom lectures, discussions, and/or activities without the advance written permission of the instructor, and any such recording properly recorded in advance can be used solely for the student's own private study.

Make-up Policy for Missed Assignments and Tests:

Students are responsible for the assignments in their classes. Assignments include in-class activities, quizzes, tests, homework, and any other work related to classes.

- If you are absent from class, you should try to contact one of the students in your class to find out what work was missed.
- If you cannot find out from another student about what work you have missed, when you return to class you must talk to your instructors about the missed work and if/when you can make up the work. You are responsible for talking to your teacher; your teacher is not responsible for reminding you about missed work.
- If you are absent from class on the due date of an assignment, you must hand in the assignment and be prepared to make up tests the day that you return to class or on a date decided with your teacher.
- If you know you will be absent, talk to your teacher before you leave or email your teacher to find out about the work that you will miss while you are away.
- If you have not been absent from class and you want to hand in an assignment late, you must first discuss the reason with your teacher before or on the due date. Do not assume that your teacher will accept late assignments. Also, you will lose points for late work in this situation.
- If you and your teacher arrange to meet so that you can make up an assignment and you miss that meeting, you will receive a "0" for that assignment.

SCUPI Honor Code:

Students in this course must follow the SCUPI Honor Code. This includes:

- must not get help from anyone to do his/her work without the teacher's permission.
- must not get help from any outside sources to do his/her work without the teacher's permission.
- must not copy the words of another and present those words as his/her own work.

Participating in these activities can result in an F. Turning in work that is not your own can result in an F.

Participation:

Active participation is crucial for language learning. Participating in class makes you an engaged learner of English. In this class, participation means:

- arriving to class on time
- staying on task (including appropriate use of technology)
- actively listening to your classmates and teacher when they speak in class
- asking questions
- bringing all class materials
- attending class regularly
- completing all homework on time
- actively and constructively participating in class activities
- being prepared to answer questions
- using only English in class

Schedule Overview

Week	Unit Title and Topics	Language Skills	Textbook Case Study	Other
1	1 Technology in use <ul style="list-style-type: none"> • GPS Applications • Space Elevators • Otis lift technology • Pile foundations 	1 <ul style="list-style-type: none"> • <i>use, allow, enable, permit, ensure</i> • verbs to describe movement • verbs and adjectives to describe advantages • adverbs for adding emphasis • phrases for simplifying and rephrasing 	1 Capsule Pipeline Technology	
2	1 Technology in use (continued)			
	2 Materials technology <ul style="list-style-type: none"> • High performance watches • Materials recycling • Regenerative brakes Kevlar	2 <ul style="list-style-type: none"> • common materials • categories of materials • <i>consist of, comprise, made of, made from, made out of</i> • properties of materials • phrases for describing requirements compounds of <i>resistant</i> adverbs of degree		
3	2 Materials technology (continued)		2 Recyclability in Engineering	
4	3 Components and assemblies <ul style="list-style-type: none"> • UHP waterjet cutting • Cluster ballooning • Metal fabrication 	3 <ul style="list-style-type: none"> • shapes and 3D features • words to describe machining • phrases for describing suitability • verbs and nouns to describe joints and fixings 	3 Product Presentation	
5	3 Components and assemblies (continued)			
	4 Engineering and design <ul style="list-style-type: none"> • Superflat floors • Queries and instructions 	4 <ul style="list-style-type: none"> • views on technical drawings • phrases related to <i>scale</i> • phrases related to tolerance, length, width, thickness, etc. • verbs for describing stages of a design process • verbs and nouns for describing design problems 		

Week	Unit Title and Topics	Language Skills	Textbook Case Study	Other
6	4 Engineering and design (continued)		4 Skyscrapers	
7	5 Breaking point <ul style="list-style-type: none"> • Test session problems • Air Transat Flight 236 	5 <ul style="list-style-type: none"> • verbs and adjectives for describing technical problems • words for describing faults and their severity • phrases for describing certainty / uncertainty 	5 Troubleshooting	
8	5 Breaking point (continued)			Midterm Exam
	6 Technical development <ul style="list-style-type: none"> • Needs analysis • Simulators • Space landing modules • Lifting options • Hole requirements and forming • Improvements 	6 <ul style="list-style-type: none"> • phrases for referring to issues • phrases for referring to quantity and extent • phrases for suggesting solutions and alternatives • idioms to describe feasibility • verbs with <i>re...</i> to describe modifications • idioms to describe redesigning 		
9	6 Technical development (continued)		6 Radical Development	
10	7 Procedures and precautions <ul style="list-style-type: none"> • Health and safety meeting • Precautions - food plant • Safety training – oil platform • Written safety notices 	7 <ul style="list-style-type: none"> • types of industrial hazards • types of protective equipment • phrases for emphasizing importance • terms to describe regulations • common language on safety notices • language style in written instructions 	7 Crane Safety	
11	7 Procedures and precautions (continued)			
	8 Monitoring and control <ul style="list-style-type: none"> • Automated / manual systems • Measurements Factors that influence electricity consumption	8 <ul style="list-style-type: none"> • words to describe automated systems • words to describe measurable parameters • words to describe fluctuations • words and phrases for approximating numbers 		
12	8 Monitoring and control (continued)		8 No Case Study	

Week	Unit Title and Topics	Language Skills	Textbook Case Study	Other
13	9 Theory and practice <ul style="list-style-type: none"> • Aerodynamic design • Air-drops (cargo) • Rockets (water rockets) • Moon landings • Bird strikes / windshields 	9 <ul style="list-style-type: none"> • words to describe test types • words and phrases for stating assumption • words and phrases for comparing expectations • words for linking causes and effects 	9 No Case Study	
14	9 Theory and practice (continued)			
	10 Pushing the boundaries <ul style="list-style-type: none"> • Wind turbines • Solar towers • High-speed travel • Rocket sled Roller coasters	10 <ul style="list-style-type: none"> • adjectives for describing suitability and performance • words to describe types of forces • <i>factor, criterion, criteria, consideration</i> • words and phrases to describe degree of difference • words to describe capabilities and limits 		
15	10 Pushing the boundaries (continued)		10 Roller Coaster Engineering	10 Article/Audio PRI's The World: When the grid says 'no' to wind and solar power, this company's technology helps it say 'yes' again by Peter Thomson Activity: Summary
16	Poster Presentations			
17	Final Examination			

Estimated time for each unit is 6 instructional hours