

科目名	科学技術英語	英文表記	English for Science and Technology		2017年3月15日			
科目コード	4005							
教員名:飯島淑江 技術職員名:-					作成			
対象学科/専攻コース			学年	必・選	履修・学修	単位数	授業形態	授業期間
全学科			4年	必	学修	2単位	演習	後期
科目目標 【MCC目標】	The aim of the course is to help students learn basic science/technology (physics, math, chemistry, biology, ICT etc.) through the medium of English. Based on Content Language Integrated Learning (CLIL), students learn the contents doing various tasks which develop the four skills of reading, writing, listening and speaking. 【III-B】							
総合評価	Tasks (30%) + Midterm exam (25%) + Final exam (25%) + Presentations (20%). In order to pass the class a student must score 60%.							
科目目標達成度	目標割合	科目達成度目標	達成度目標の評価方法	ルーブリック				
				理想的な到達レベル	標準的な到達レベル	最低限必要な到達レベル	セルフチェック	
	40%	① Students can understand the contents through the medium of English.	Task, exam	Showing almost perfect understanding of the contents and scoring more than 90% in the tasks and exams.	Showing good understanding of the contents and scoring more than 75% in the tasks and exams.	Showing good understanding of the contents and scoring more than 60% in the tasks and exams.		
	40%	② Students should acquire basic vocabulary and phrases used in the field of science and technology.	Task, exam	Showing almost perfect understanding of the vocabulary and phrases and scoring more than 90% in the tasks and exams.	Showing good understanding of the vocabulary and phrases and scoring more than 75% in the tasks and exams.	Showing good understanding of the vocabulary and phrases and scoring more than 60% in the tasks and exams.		
20%	③ Students should acquire basic research presentation skills.	Presentation	Displaying fluent and accurate use of English with good grammar and vocabulary.	Displaying fluent and accurate use of English with a few errors.	Displaying fluent and accurate use of English despite occasional disruptions and errors.			
本科・専攻科教育目標	1	2	3	4	(1) 技術者に必要な基礎知識を備え、実践力のある人材を育成する			
評価方法と評価項目および関連目標に対する評価割合								
	目標との関連	定期試験	小テスト	レポート	その他(演習課題・発表・実技・成果物等)	総合評価	セルフチェック	
評価項目		50	0	0	50			
基礎的理解	②	30			15			
応用力(実践・専門・融合)	①③	10			15			
社会性(プレゼン・コミュニケーション・PBL)	③				10			
主体的・継続的学修意欲	①②③	10			10			
授業概要、方針、履修上の注意	<ul style="list-style-type: none"> The course is conducted in English. Students are expected to use English during lectures. Before/during/after a lecture, a task is provided to develop the four skills such as reading, listening, writing, speaking. This task will be collected and evaluated. Besides a task which will be collected, various tasks are provided during a lecture. PC and dictionary are necessary for doing tasks in every lecture. 							
教科書・教材	Fundamental Science in English I (成美堂) Handouts are provided							

週	授業項目	時間	授業内容	自学自習 (予習・復習)内容	セルフ チェック
1		2			
2		2			
3		2			
4		2			
5		2			
6		2			
7		2			
8		2			
9		2			
10		2			
11		2			
12		2			
13		2			
14		2			
15		2			
期末	期末試験	[2]			
1	Orientation & Introduction	2	Explanation for the course (purpose, evaluation)		
2	Topic 1	2	Topic 1 Numbers and Calculation + Task 1	Task 1	
3	Topic 2	2	Topic 2 Figures + Task 2	Task 2	
4	Topic 3	2	Topic 3 State of Substance + Task 3	Task 3	
5	Topic 4	2	Topic 4 Graphs and Functions + Task 4	Task 4	
6	Topic 5	2	Topic 5 Human Body + Task 5	Task 5	
7	Topic 6	2	Topic 6 Electricity + Task 6	Task 6	
8	Midterm exam	2	Midterm exam		
9	Presentation Skills	2	The basic presentation skills for research presentation	Task 7	
10	Topic 7	2	Topic 7 Heat + Task 7	Task 7	
11	Topic 8	2	Topic 8 Stars and Planets + Task 8	Task 8	
12	Topic 9	2	Topic 9 Ions + Task 9	Task 9	
13	Topic 10	2	Topic 10 Energy + Task 10	Task 10	
14	Presentation	2	Presentation #1	Presentation preparation	
15	Presentation	2	Presentation #2	Presentation preparation	
期末	Final Exam				
学習時間合計		30	実時間		22.5
自学自習(予習・復習)内容(学修単位における自学自習時間の保証)				標準的所用時間(試行)	
①	Various types of tasks such as reading, listening & watching, writing			各4時間×15回	
備考欄					

学習時間は、実時間ではなく単位時間で記入する。(45分=1、90分=2)