

沖縄工業高等専門学校		開講年度	平成29年度 (2017年度)		授業科目	科学技術英語	
科目基礎情報							
科目番号	4005			科目区分	一般 / 必修		
授業形態	授業			単位の種別と単位数	学修単位: 2		
開設学科	機械システム工学科			対象学年	4		
開設期	後期			週時間数	2		
教科書/教材	Fundamental Science in English I (成美堂) 、 Handouts are provided						
担当教員	飯島 淑江						
到達目標							
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】							
ルーブリック							
	理想的な到達レベルの目安		標準的な到達レベルの目安		最低限必要な到達レベル(可)		
Students can understand the contents through the medium of English.	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.		
Students should acquire basic vocabulary and phrases used in the field of science and technology.	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.		
Students should acquire basic research presentation skills.	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.		
学科の到達目標項目との関係							
教育方法等							
概要	・ 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.						
授業の進め方・方法							
注意点							
授業計画							
		週	授業内容		週ごとの到達目標		
後期	3rdQ	1週	Orientation & Introduction		Explanation for the course (purpose, evaluation)		
		2週	Topic 1		Topic 1 Numbers and Calculation + Task 1		
		3週	Topic 2		Topic 2 Figures + Task 2		
		4週	Topic 3		Topic 3 State of Substance + Task 3		
		5週	Topic 4		Topic 4 Graphs and Functions + Task 4		
		6週	Topic 5		Topic 5 Human Body + Task 5		
		7週	Topic 6		Topic 6 Electricity + Task 6		
		8週	Midterm exam		Midterm exam		
	4thQ	9週	Presentation Skills		The basic presentation skills for research presentation		
		10週	Topic 7		Topic 7 Heat + Task 7		
		11週	Topic 8		Topic 8 Stars and Planets + Task 8		
		12週	Topic 9		Topic 9 Ions + Task 9		
		13週	Topic 10		Topic 10 Energy + Task 10		
		14週	Presentation		Presentation #1		
		15週	Presentation		Presentation #2		
		16週	Final Exam				
評価割合							
	試験	発表	相互評価	態度	ポートフォリオ	その他	合計
総合評価割合	50	0	0	0	0	50	100
基礎的能力	30	0	0	0	0	15	45
応用力 (実践・専門・融合)	10	0	0	0	0	15	25
社会性	0	0	0	0	0	10	10

主体的・継続的 学修意欲	10	0	0	0	0	10	20
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