

東京工業高等専門学校		開講年度	平成29年度 (2017年度)		授業科目	Science EnglishI	
科目基礎情報							
科目番号	0049			科目区分	一般 / 必修		
授業形態	授業			単位の種別と単位数	履修単位: 1		
開設学科	機械工学科			対象学年	2		
開設期	前期			週時間数	2		
教科書/教材	Basic English for Science (南雲堂)						
担当教員	関根 紳太郎						
到達目標							
Science English I involves an intense review and study of grammar and composition, with a strong emphasis on proper usage. Throughout the course, the student reads, memorizes, and interprets about English for engineers. Vocabulary build-up is essential to Science English education for practical use as engineers.							
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		未到達レベルの目安	
評価項目1	Able to explain topics common to science, technology, and engineering			Able to identify topics common to science, technology, and engineering		Unable to identify topics common to science, technology, and engineering	
評価項目2	工業英検3級以上に合格できる			工業英検4級に合格できる		工業英検4級に合格できない	
評価項目3							
学科の到達目標項目との関係							
教育方法等							
概要	This class is designed for students who pursue careers in science, technology, and engineering.						
授業の進め方・方法	Students are expected to learn and develop basic skills for Science English. This class is taught both in English and Japanese. Upon completion of this class, students will be ready to take Official Science English Test.						
注意点	Students are expected to have completed Grammar for Communication I. In-class assignments are provided. There are neither extra assignments nor make-up tests at the end of the term.						
授業計画							
		週	授業内容		週ごとの到達目標		
前期	1stQ	1週	Introduction/Dimensions		To be able to identify dimensions		
		2週	Angles and Lines		To be able to identify angles and lines		
		3週	Basic Formulae		To be able to explain basic formulae		
		4週	More Complex Formulae		To be able to explain complex formulae		
		5週	Position		To be able to identify position		
		6週	Movements and Actions		To be able to describe movements and actions		
		7週	Mid-term		****		
		8週	Qualities of Materials		To be able to describe qualities of materials		
	2ndQ	9週	Classification, Definitions, and Description		To be able to identify classification, definitions, description		
		10週	More Description		To be able to identify description		
		11週	Instructions and Explanations		To be able to understand instructions and explanations		
		12週	Cause and Reason, and Similarity		To be able to understand cause and reason, similarity		
		13週	Comparison and Contrast		To be able to explain comparison and contrast		
		14週	Probable Cause and Result		To be able to identify probable cause and result		
		15週	Reporting Actions		To be able to report actions		
		16週	Final		****		
モデルコアカリキュラムの学習内容と到達目標							
分類	分野	学習内容	学習内容の到達目標			到達レベル	授業週
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	80	0	0	0	0	20	100
基礎的能力	60	0	0	0	(5)	20	80
専門的能力	20	0	0	0	0	0	20
分野横断的能力	0	0	0	0	0	0	0