東京工業高等専門学校	開講年度	平成30年度 (2018年度)	授業科目	Science EnglishI

科目基礎情報

科目番号	0061	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	情報工学科	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	向山 大地		

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	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	Unable to understand topics common to science, technology, and engineering
評価項目2				
評価項目3				

学科の到達目標項目との関係

学習・教育目標 B3

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