徳山工業高等専門学校	開講年度	令和03年度 (2021年度)	授業科目	科学英語表現法

科目基礎情報

科目番号	0034	科目区分	専門 / 必修
授業形態	講義	単位の種別と単位数	学修単位: 2
開設学科	環境建設工学専攻	対象学年	専2
開設期	後期	週時間数	2
教科書/教材	(Handouts from teacher)		
担当教員	倉増 泰弘,ﾘｰﾋﾞｽ ｶｰﾃｨｽ		

到達目標

Students will learn the importance of English in the fields of science and engineering. In writing, they will understand the importance of audience awareness and role it plays in shaping vocabulary choice and style. Through in-class activities and homework assignments, students will learn effective thesis sentence formation, paragraph structure, and effective conclusions.

ルーブリック

	理想的な到達レベルの目安(優)	標準的な到達レベルの目安(良)	未到達レベルの目安(不可)
評価項目1 (Writing)	Able to write a well-structured, logical compositions with a clear beginning and ending, and few, if any, confusing grammatical or lexical errors.	Able to write a structured, logical composition with a clear beginning and ending, though some confusing grammatical or lexical errors exist.	Able to write the basic parts of a composition. The composition lacks a clear beginning and ending. Grammatical or lexical errors make it unprofessional and/or unacceptable to professional audience.
評価項目2 (Conceptual)	Able to understand and explain the intended audience for a composition, their expectations, and the type of language appropriate to that audience.	Able to understand the intended audience for a composition, but may struggle to explain their expectations and the type of language appropriate to that audience.	Unable to differentiate between audiences, and is thus unable to choose appropriate vocabulary and style.
評価項目3 (Reading)	Able to read and understand a professional paper in a scientific or engineering field.	Able to read and understand a professional paper in a scientific or engineering field with some difficulty and misunderstanding.	Unable understand a professional paper in a scientific or engineering field.

学科の到達目標項目との関係

到達目標 A 2
JABEE f

教育方法等

概要	By first understanding the role audience plays in professional or academic writing, the students will gain a better ability to choose appropriate vocabulary and grammatical structures to relay the information they want to communicate.
授業の進め方・方法	Much of this class will focus on global concerns in writing: vocabulary choice, sentence-level meaning, paragraph structure, and the linking of paragraphs and ideas into a logical whole. As such, the class will begin with vocabulary, and end with the completion of compositions in English.
注意点	Compositions (50%) + Quizzes (30%) ＋Participation (20%)

授業の属性・履修上の区分

☐ アクティブラーニング	☐ ICT 利用	☐ 遠隔授業対応	☐ 実務経験のある教員による授業

授業計画

		週	授業内容	週ごとの到達目標
後期	3rdQ	1週	Introduction, Unit 1: What is a Paragraph?	Students will learn about the class structure, expectations, online tools, and grading.
		2週	UNIT 1: What is a Paragraph?	Students will understand the basic structure of a paragraph. Students will develop a paragraph in English, with a clear thesis sentence, supporting sentences, and concluding sentence.
		3週	UNIT 2: Essay	Students will examine the basic structure of an essay.
		4週	UNIT 2: Essay	Students will develop an essay in English, with an introductory paragraph, body paragraphs, and concluding paragraph.
		5週	UNIT 3: Process	Students will learn the vocabulary and grammar necessary to clearly explain a series of events and their logical connections. Express a series of events and their logical connections in English, using appropriate sequencing language.
		6週	UNIT 4: Definition	Students will compose both simple and extended definitions of key technical terms.
		7週	UNIT 4: Definition	Students will compose both simple and extended definitions of key technical terms.
		8週	UNIT 5: Classification	Students will catalogue and relate items within a specialist field.
	4thQ	9週	UNIT 5: Classification	Students will catalogue and relate items within a specialist field.
		10週	UNIT 6: Comparison and Contrast	Students will develop effect language for purposefully illustrating the differences and similarities between subjects.

		11週	UNIT 6: Comparison and Contrast	Students will develop effect language for purposefully illustrating the differences and similarities between subjects.
		12週	UNIT 11: Cause and effect	Students will relate the causal relationship(s) between events.
		13週	UNIT 12: Cause and effect	Students will relate the causal relationship(s) between events.
		14週	UNIT 13: Argumentation	Students will present, develop, and justify a conclusion.
		15週	UNIT 14: Argumentation	Students will present, develop, and justify a conclusion.
		16週	Review	

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	30	0	0	0	50	20	100
基礎的能力	30	0	0	0	50	20	100
専門的能力	0	0	0	0	0	0	0
分野横断的能力	0	0	0	0	0	0	0