

奈良工業高等専門学校		開講年度	令和05年度（2023年度）		授業科目	アドバンスト・グローバルエンジニアスキル	
科目基礎情報							
科目番号	0013		科目区分		専門 / 選択		
授業形態	講義		単位の種別と単位数		学修単位: 2		
開設学科	システム創成工学専攻（電気電子システムコース）		対象学年		専1		
開設期	後期		週時間数		2		
教科書/教材	Alex Raynham（著）Future Energy						
担当教員	Leigh McDowell						
到達目標							
This subject aims to develop specialised English skills for globally active engineers (i.e., reading, writing, and presenting research).							
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	Demonstrated advanced writing skills		Demonstrated intermediate writing skills		Demonstrated lack of basic writing skills		
評価項目2	Demonstrated advanced presentation skills		Demonstrated intermediate presentation skills		Demonstrated lack of basic presentation skills		
評価項目3	Demonstrated exceptional participation		Demonstrated good participation		Demonstrated low participation		
学科の到達目標項目との関係							
JABEE基準 (c) JABEE基準 (d-2a) システム創成工学教育プログラム学習・教育目標 B-1 システム創成工学教育プログラム学習・教育目標 D-1							
教育方法等							
概要	In order to develop practical English speaking and listening skills, this subject is taught all in English, and students are expected to use English as much as possible						
授業の進め方・方法	This subject is taught all in English, and students are expected to use English. Students practice and learn English discussion skills based around the topic of future energy. The subject includes learning through the lecture and practice to acquire presentation skills. Active participation is required.						
注意点							
学修単位の履修上の注意							
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	Lesson1: Energy today		Understand the contents of Lesson 1 and discuss them in English.		
		2週	Lesson2: Fossil fuels		Understand the contents of Lesson 2 and discuss them in English.		
		3週	Lesson3: Energy and our planet		Understand the contents of Lesson 3 and discuss them in English.		
		4週	Lesson4: Saving energy		Understand the contents of Lesson 4 and discuss them in English.		
		5週	Lesson5: The power of the atom		Understand the contents of Lesson 5 and discuss them in English.		
		6週	Lesson6: Super fuels		Understand the contents of Lesson 6 and discuss them in English.		
		7週	Lesson7: A bright future		Understand the contents of Lesson 7 and discuss them in English.		
		8週	Lesson8: When the wind blows		Understand the contents of Lesson 8 and discuss them in English.		
	4thQ	9週	Lesson9: Water world		Understand the contents of Lesson 9 and discuss them in English.		
		10週	Lesson10: Heat all around us		Understand the contents of Lesson 10 and discuss them in English.		
		11週	Lesson11: People power		Understand the contents of Lesson 11 and discuss them in English.		
		12週	Lesson12: Nano power		Understand the contents of Lesson 12 and discuss them in English.		
		13週	Lesson13: Energy in space		Understand the contents of Lesson 13 and discuss them in English.		
		14週	Lesson14: Going local		Understand the contents of Lesson 14 and discuss them in English.		
		15週	Lesson15: Where next?		Understand the contents of Lesson 15 and discuss them in English.		
		16週					
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							

	Presentation	Class Participation (Assignment)	合計
総合評価割合	20	80	100
基礎的能力	20	80	100