

奈良工業高等専門学校		開講年度	平成31年度 (2019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	0012			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	物質創成工学専攻			対象学年	専1		
開設期	後期			週時間数	2		
教科書/教材							
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							
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 can learn the basic format of a scientific paper through the lecture. The subject includes learning through the lecture and practice to acquire presentation skills. So, active participation is required.						
注意点							
学修単位の履修上の注意							
授業計画							
		週	授業内容			週ごとの到達目標	
後期	3rdQ	1週	Scientific Writing; IMRAD			Consider the question: What is scientific writing? and view the basic format of a scientific paper.	
		2週	Results			Examine ways to present and describe scientific data in tables and figures.	
		3週	Discussion			Learn the basic mechanics and style of a discussion section, and some techniques for generating and organising ideas.	
		4週	Introduction; References			Investigate the function and format of an introduction section, and the key points for writing clearly. Additionally, review proper referencing techniques.	
		5週	Method			Examine and practice ways to describe processes and procedures in scientific writing.	
		6週	Title; Conclusion			Examine the structures of a conclusion and title.	
		7週	Abstract			Examine the format of an abstract, and prepare for the test by reviewing the course content.	
		8週	The Physical Message 1			Look at the importance of posture and eye contact in communication, and practice ways to utilize this physical form of communication.	
	4thQ	9週	The Physical Message 2			Study and practice ways to use the voice effectively in a presentation.	
		10週	Organising and Presenting Main Points 1			Investigate the functions of an introduction and conclusion, then identify and practice basic formats and techniques for introducing and concluding a presentation.	
		11週	Organising and Presenting Main Points 2			Examine and practice ways for presenting and supporting the main points of a presentation, and learn some useful transition techniques for moving from one point to another.	
		12週	Using Visuals Effectively 1			Study the different types of visuals that can be used in a presentation, and identify problems and solutions for the effective use of these visuals.	
		13週	Using Visuals Effectively 2			Learn and practice techniques for explaining visuals.	
		14週	Presentation Practice			Practice presentations in small groups and receive feedback.	
		15週	Presentation Symposium			Students present their own research (8 min).	
		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	Course Paper	Class Participation		合計	

総合評価割合	50	30	20	100
基礎的能力	50	30	20	100