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| 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 | 0031 | | | 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2 | | |
| 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 |

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