

|                                                                                                                                          |                                                                                                                                                                                                                                                                                                      |                                               |                                                |                                                                                                                                                                              |                      |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 奈良工業高等専門学校                                                                                                                               |                                                                                                                                                                                                                                                                                                      | 開講年度                                          | 平成30年度 (2018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                                                                                                                                     | 0007                                                                                                                                                                                                                                                                                                 | 科目区分                                          | 一般 / 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                                                                                                                                     | グローバル工学協働教育プログラム (GECEP) (アドバンストコース)                                                                                                                                                                                                                                                                 | 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 |