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|---|--|---------------------------------|--------------------------------|---|---|--|-----|
| 奈良工業高等専門学校  |  | 開講年度                            | 令和04年度 (2022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  | 0003   |                                 |                                | 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  | グローバルエンジニア養成教育プログラム (GEP) (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  | Alex Raynham (著) Future Energy   |                                 |                                |   |   |  |     |
| 担当教員  | Leigh McDowell   |                                 |                                |   |   |  |     |
| 到達目標  |  |                                 |                                |   |   |  |     |
| This subject aims to develop specialized 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 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  |  |                                 |                                |   |   |  |     |
| <input type="checkbox"/> アクティブラーニング   |  | <input type="checkbox"/> ICT 利用 |                                | <input type="checkbox"/> 遠隔授業対応               |   | <input type="checkbox"/> 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                           |   | 合計   |     |

|        |    |    |     |
|--------|----|----|-----|
| 総合評価割合 | 20 | 80 | 100 |
| 基礎的能力  | 20 | 80 | 100 |