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| 群馬工業高等専門学校 | | 開講年度 | 令和05年度 (2023年度) | | 授業科目 | 連携教育インターンシップ | |
| 科目基礎情報 | | | | | | | |
| 科目番号 | | 132 | | 科目区分 | | 専門 / 必修 | |
| 授業形態 | | 実験・実習 | | 単位の種別と単位数 | | 学修単位: 2 | |
| 開設学科 | | 環境工学専攻 | | 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 | | 友坂 秀之,羽切 正英 | | | | | |
| 到達目標 | | | | | | | |
| <input type="checkbox"/> The students will acquire skills of discovering and solving technological challenges in cooperation with foreign engineers and researchers using English as a communication tool. <input type="checkbox"/> The students will be able to gain meta-national experience, understand different cultures and economic factors that shape societies. <input type="checkbox"/> The students will be able to understand the advantages of your own country and ability to act from a global perspective. | | | | | | | |
| 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 | | To be able to be actively involved in lab training while communicating freely with lab members in English. | | To participate in lab training with positive attitude while communicating with lab members in English. | | Unable to participate in lab training with positive attitude while communicating with lab members in English. | |
| 評価項目2 | | To be able to ask questions and respond appropriately in English. | | To be able to ask and answer questions in English. | | Unable to ask or answer questions in English at all. | |
| 評価項目3 | | To be able to grasp and fully understand topics related to research fields that are undergoing in the laboratory and worldwide. | | To be able to grasp and understand topics related to research fields that are undergoing in the laboratory and worldwide. | | Unable to grasp and understand topics related to a related to research fields that are undergoing in the laboratory and worldwide. | |
| 学科の到達目標項目との関係 | | | | | | | |
| 教育方法等 | | | | | | | |
| 概要 | | The overseas internship is a unique opportunity offered to the students in the Advanced Technology Collaborative Program to engage in one month project in their field of specialization at research institutions around the world. | | | | | |
| 授業の進め方・方法 | | In this project, you will, with the help of your supervisor, find an appropriate overseas laboratory in which you will deepen your knowledge in your field of study. It also gives you an opportunity to enhance your English communication skills and help you to exchange ideas on the global stage. | | | | | |
| 注意点 | | To survey the host research organizations. To talk with the supervisor about the internship. | | | | | |
| 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 checked="" 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 | Overview of overseas research project. Project goals are explained by your supervisor. | | Look for the host. | | |
| | | 2週 | Students plan their overseas research project with the help of supervisors. | | Work on proposal and administrative procedures. | | |
| | | 3週 | Compilation and application of overseas research project proposal. | | Work on proposal and administrative procedures. | | |
| | | 4週 | Travel and visa arrangements for the overseas research project. Prepare documents for travel scholarship. | | Prepare necessary documents. | | |
| | | 5週 | Research at host institution: the first week. | | Work on reserach. | | |
| | | 6週 | Research at host institution: the first week. The student should send a weekly report to his supervisor(s). | | Report | | |
| | | 7週 | Research at host institution: the second week. | | Work on reserach. | | |
| | | 8週 | Research at host institution: the second week. The student should send a weekly report to his supervisor(s). | | Report | | |
| | 4thQ | 9週 | Research at host institution: the third week. | | Work on reserach. | | |
| | | 10週 | Research at host institution: the third week. The student should send a weekly report to his supervisor(s). | | Report | | |
| | | 11週 | Research at host institution: the fourth week. | | Work on reserach. | | |
| | | 12週 | Research at host institution: the fourth week. The student should send a weekly report to his supervisor(s). | | Report | | |
| | | 13週 | Compilation of research activities at the host institution. | | Work on final presentation. | | |
| | | 14週 | Presentation of research activities during the overseas research project. | | Prepare final presentation | | |
| | | 15週 | Presentation and discussion on activities during your internship. | | Presentation | | |

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|---------|--------|------|-------------------------|--------------|---|-----|-----|
| | | 16週 | Wrapping up the project | Final report | | | |
| 評価割合 | | | | | | | |
| | プロポーザル | 中間報告 | 最終報告 | プレゼンテーション | | その他 | 合計 |
| 総合評価割合 | 10 | 20 | 10 | 60 | 0 | 0 | 100 |
| 基礎的能力 | 4 | 6 | 3 | 18 | 0 | 0 | 31 |
| 専門的能力 | 3 | 8 | 4 | 24 | 0 | 0 | 39 |
| 分野横断的能力 | 3 | 6 | 3 | 18 | 0 | 0 | 30 |