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|--------------------------|--|--------------|----|
| Course Title             | Advanced Artificial Intelligence and Machine Learning  |              |    |
| Department/Course        | Graduate School of Marine Science and Technology Doctoral Course   |              |    |
| Category/Specializations | <Graduate School Subjects>   |              |    |
| Year Offered             | 1st  | Class        | 10 |
| Required or Elective     | elective   | Credit       | 2  |
| Semester                 | First Semester   | Course Type  |    |
| Day/Period               | INTENSIVE  | Lecture Room |    |
| Chief Instructor         | Sakai Takanori   |              |    |
| Instructors              | Sakai Takanori   |              |    |
| Theme & Objectives       | <p>The goal of the course is to study methods, research and practice in artificial intelligence (AI) and machine learning. Through the presentation and debate sessions, students are expected to be able to select and apply an AI/machine learning approach suitable to the purpose of analysis. In the course, the instructor will assign Udemy online lectures to audit, and the students will be requested to present the contents and offer the topics to discuss to the classroom. In the final presentation, each student will apply an AI/machine learning method to the data they select and present the analytical results to the room. This course will be provided in English only.</p> |              |    |
| Evaluation Method        | <p>Regular presentation (50%)<br/>Final presentation (50%)</p>   |              |    |
| Other Information        | <p>Offered only for the students in the WISE Program.</p> <p>E-mail: tsakai2 at kaiyodai.ac.jp</p> <p>Combination of in-person and remote (real-time) instruction</p> <p>Note: "Combination" includes cases where in-person classes are delivered via real-time simultaneous streaming, where in-person and remote classes are conducted on a per-session basis, or where both of these approaches are used.</p>   |              |    |
| Relation to SDGs         | 9 Industry, innovation and infrastructure  |              |    |