

**Hong Kong Baptist University**  
**Faculty of Science, Department of Physics**  
**Course Assessment Arrangement in Sem 2, 2019-20**

| No. | Course code | Course title                                               | Assessment methods and weightings                                     |                                                                                                   |                                                                                                                                                                                                  | Remark, if any                                                                                                                                                                                                                                                             |
|-----|-------------|------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |             |                                                            | Any changes in assessment methods and weightings? (Yes / No)          | The original assessment methods and weightings                                                    | The revised assessment methods and weightings, if applicable                                                                                                                                     |                                                                                                                                                                                                                                                                            |
| 1   | GDSC1017    | Science and Technology behind the Movies                   | Yes                                                                   | group project is being changed to individual project but weightings remains unchange              | Students are to submit a 5-min presentation in power point or other stibulated format e.g. mp4. Their presentations will then be assessed. Online examination for the final in open book format. | N/A                                                                                                                                                                                                                                                                        |
| 2   | GTSC2016    | Entrepreneurship in the Innovation Era                     | Yes                                                                   | Class participation 10%, Individual essays 30%, Class discussion 30%, Group presentation 30%      | Class participation 10%, Individual essays 30%, Class discussion 30%, Group presentation via Zoom 30%                                                                                            | N/A                                                                                                                                                                                                                                                                        |
| 3   | GTSC2045    | Seeing the World from Artistic and Scientific Perspectives | Yes                                                                   | Study Journal, 20%<br>Practical Experiments, 30%<br>Final Exam, 20%<br>Professional Attitude, 30% | Reflective Journal 20%; Group Presentation 30%; in Class Practical experiment 10%; Take-home examination 20%; Professional Attitude 20%                                                          | Open book "take-home examination", students are required to submit paper within 2 hours after the take-home examination paper is uploaded to the moodle.                                                                                                                   |
| 4   | PHYS1005    | Introduction to Green Energy                               | Yes                                                                   | 20% Homework; 35% Midterm exam; 45% Final exam.                                                   | 25% Homework; 30% Midterm exam (for the first half of the course materials); 45% Final exam (for the other half of the course materials) .                                                       | On-campus final exam will be conducted on Friday May 22nd, during class hours. If on-campus activities are still suspended by then, the final exam will be conducted via zoom. The completed exam papers will be submitted via Moodle at the end of the zoom exam session. |
| 5   | PHYS1006    | Introduction to Physics                                    | Yes                                                                   | 50% Continuous assessment (homework assignments, mid-term test, term paper); 50% Final exam       | 40% Continuous assessment (Homework assignment), 30% Term papers and oral presentation (group based), 30% off-campus Final exam.                                                                 | The off-campus final exam will be open-book and conducted with Zoom. During the examination, the students will be asked to open video and microphone. We will monitor each of them to avoid plagiarim.                                                                     |
| 6   | PHYS2006    | Electricity and Magnetism                                  | Yes                                                                   | 20% Assignments, 10% Participation, 20% Mid-term Exam, 50% Final Exam                             | 30% Assignments, 10% Participation, 20% take-home Mid-term Exam, 40% take-home Final Exam (24 hours, open book, answers to be submitted via email.)                                              | N/A                                                                                                                                                                                                                                                                        |
| 7   | PHYS2017    | Mathematical Methods for Physical Science II               | Yes (In case of the in-class exercises and final exam cannot be held) | Continuous assessment 25%, Midterm 25%, Final exam: 50%                                           | Continuous assessment 35%, Midterm assessment 25%, final assessment: 40%                                                                                                                         | Open book midterm and final assessment online via zoom. The completed exam papers will be submitted via Moodle or email at the end of the zoom exam session.                                                                                                               |
| 8   | PHYS2019    | Experimental Lab. II                                       | Yes                                                                   | Lab reports 70%, Performance 15%, Quiz 15%                                                        | Lab reports 80%, Performance 5%, Quiz 15%                                                                                                                                                        | N/A                                                                                                                                                                                                                                                                        |

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|     |             |                                               | Any changes in assessment methods and weightings? (Yes / No) | The original assessment methods and weightings                                                                        | The revised assessment methods and weightings, if applicable                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                         |
| 9   | PHYS2026    | Energy Storage, Distribution and Conservation | Yes                                                          | Continuous Assessment 45%<br>Final Exam 55%                                                                           | Continuous assessment 50%<br>Final Exam 50%<br><br>Final exam: take-home exam                                                                           | Take-home exam: 4h, and then students are required to submit their answers to Moodle. Open Book.                                                                                                                                                                                                                                                                                                        |
| 10  | PHYS2027    | Mechanics                                     | Yes                                                          | Assignments: 30%; Midterm: 30%; Final: 40%                                                                            | Assignments: 60%; Final: 40%                                                                                                                            | If on-campus class resumes by the end of April, final exam will be conducted during the normal lecture hours. Otherwise, take-home exam will be in place of on-campus exam. Take-home exam will be open book and open note, duration is 3 hours. It will be conducted during normal lecture hours. Remote supervision with Zoom will be used. Students will submit their paper via Moodle or via email. |
| 11  | PHYS3007    | Energy Storage, Distribution and Conservation | Yes                                                          | Continuous Assessment 45%<br>Final Exam 55%                                                                           | Continuous assessment 50%<br>Final Exam 50%<br><br>Final exam: take-home exam                                                                           | Take-home exam: 4h, and then students are required to submit their answers to Moodle. Open Book.                                                                                                                                                                                                                                                                                                        |
| 12  | PHYS3015    | Structure and Properties of Matter            | Yes                                                          | UG: Assignment 35%, Course projects 15%, Final Exam 50%;<br>RPg: Assignment 30%, Course projects 20%, Final Exam 50%; | UG: Assignment 35%, Course projects 25%, Final Exam 40%;<br>RPg: Assignment 30%, Course projects 30%, Final Exam 40%;<br><br>Final exam: take-home exam | Take-home exam: 4h, and then students are required to submit their answers to Moodle. Open Book.                                                                                                                                                                                                                                                                                                        |
| 13  | PHYS3016    | Energy Management                             | Yes                                                          | Continuous Assessment 50%<br>Final Exam 50%                                                                           | Continuous Assessment 50%<br>Online Exam 50%                                                                                                            | The exam is open-book and will last for two hours during the lecture hours. Zoom will be used for monitoring the exam. Students are required to take pictures of their answer sheets and then email them to course instructor right after the exam.                                                                                                                                                     |
| 14  | PHYS3027    | Intermediate Electromagnetism                 | Yes                                                          | 15% Assignments, 10% Participation, 25% Mid-term Exam, 50% Final Exam                                                 | 20% Assignments, 15% Participation, 25% take-home Mid-term Exam, 40% take-home Final Exam (24 hours, open-book, answers to be submitted via email.)     | N/A                                                                                                                                                                                                                                                                                                                                                                                                     |
| 15  | PHYS3045    | Scientific Computing and Modeling             | Yes                                                          | Assignments (30%); Mini-project (20%); Final exam (50%);                                                              | Assignments (30%); Mini-project and online oral presentation (40%); off-campus final exam (30%);                                                        | The off-campus final exam will be open-book and conducted with Zoom. During the examination, the students will be asked to open video and microphone. We will monitor each of them to avoid plagiarism.                                                                                                                                                                                                 |

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| 16  | PHYS3046    | Non-Fossil Fuels                                                                       | Yes                                                          | 15% Assignment, 20% Mid-term, 15% Presentation, 50 % Final Exam                                                                                      | 20% Assignment, 20% Mid-term, 30% Presentation, 30 % Final Exam                         | Final exam in 24-hr take home format. Open book and open notes. Exam starts on a regular double lecture period. Students can submit email within a 24-hour period.                                                                                   |
| 17  | PHYS4006    | Advanced Green Energy Lab (Metrology)                                                  | Yes                                                          | 20% Lab performance; 80% Lab reports                                                                                                                 | 100% lab reports                                                                        | Lab course                                                                                                                                                                                                                                           |
| 18  | PHYS4007    | Advances in Displays and Lighting                                                      | Yes                                                          | 25% Problem assignments<br>25% Mini-projects (term papers)<br>50% Final examination                                                                  | 30% Problem assignments<br>30% Mini-projects (term papers)<br>40% Take-home examination | Open book "take-home examination", students are required to submit paper within 2 hours after the take-home examination paper is uploaded to the moodle.                                                                                             |
| 19  | PHYS4036    | Topics in Energy Science II                                                            | Yes                                                          | Continuous Assessment 50%<br>Final Exam 50%                                                                                                          | Continuous Assessment 50%<br>Energy audit report 50%                                    | Project-based course                                                                                                                                                                                                                                 |
| 20  | PHYS7040    | Advanced Topics in Physics I: Advances in Displays and Lighting                        | Yes                                                          | 25% Problem assignments<br>25% Mini-projects (term papers)<br>50% Final examination                                                                  | 30% Problem assignments<br>30% Mini-projects (term papers)<br>40% Take-home examination | Open book "take-home examination", students are required to submit paper within 2 hours after the take-home examination paper is uploaded to the moodle. There will be additional challenging problems in the take-home examination for PG students. |
| 21  | PHYS7050    | Advanced Topics in Physics II: Statistical Physics of Machine Learning and Information | No                                                           | 50% Continuous assessment<br>50% Term paper                                                                                                          | N/A                                                                                     | N/A                                                                                                                                                                                                                                                  |
| 22  | PHYS7080    | Research Methods                                                                       | No                                                           | 100% Continuous Assessment; About 3 writing assignments; Term paper, topics to be announced in mid-March, with oral presentation and written report. | N/A                                                                                     | N/A                                                                                                                                                                                                                                                  |
| 23  | PHYS7330    | Renewable Energy Technologies II                                                       | Yes                                                          | 50% Group project<br>50% Final examination                                                                                                           | 50% Group project<br>50% Take-home exam.                                                | Take-home exam: 4 hours. Submission of answer to Moodle.                                                                                                                                                                                             |

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| 24  | PHYS7430    | Structure and Properties of Matter | Yes                                                          | Assignment 30%, Course projects 20%, Final Exam 50%.                                | Assignment 30%, Course projects 30%, Final Exam 40%.<br><br>Final exam: take-home exam  | Take-home exam: 4h, and then students are required to submit their answers to Moodle. Open Book.                                                                                                                                                     |
| 25  | PHYS7460    | Advances in Displays and Lighting  | Yes                                                          | 25% Problem assignments<br>25% Mini-projects (term papers)<br>50% Final examination | 30% Problem assignments<br>30% Mini-projects (term papers)<br>40% Take-home examination | Open book "take-home examination", students are required to submit paper within 2 hours after the take-home examination paper is uploaded to the moodle. There will be additional challenging problems in the take-home examination for PG students. |
| 26  | PHYS7470    | Energy Audit and Management        | Yes                                                          | Continuous Assessment 50%<br>Final Exam 50%                                         | Continuous Assessment 50%<br>Online Exam 50%                                            | The exam is open-book and will last for two hours during the lecture hours. Zoom will be used for monitoring the exam. Students are required to take pictures of their answer sheets and then email them to course instructor right after the exam.  |

(as at 5 March 2020)