

Tuesday 21 March 2023  
10:00-13:00

**Present**

Dr Clemens Brechtelsbauer (Chair), Ms Lorraine Bayfield (Secretary), Professor Richard Green, Dr Jo Horsburgh, Ms Kate Ippolito, Dr Magdalena Jara, Dr Felicitas Starr-Egger, Mr Scott Tucker, Ms Judith Webster, Ms Betty Yue and Mr Jason Zheng.

**Apologies**

Professor Alessandro Astolfi, Dr Lorraine Craig, Dr Vijay Tymms, Dr Jeffrey Vernon and Ms Hayley Wong.

**In attendance**

Professor Jason Riley (representing Dr Lorraine Craig) and Ms Amy Huynh

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| <b>1</b>                       | <b>Welcome and Apologies</b><br>The Chair welcomed attendees to the meeting and apologies, as above, were noted. Professor Arash Mostofi was thanked for representing the Faculty of Natural Sciences whilst Dr Vijay Tymms was away from the College.  |
| <b>2</b>                       | <b>Minutes of the previous meeting</b><br>The minutes of the previous meeting held on Tuesday 24 <sup>th</sup> January were confirmed as an accurate record.  |
| <b>3</b>                       | <b>Matters Arising</b><br>There were no matters arising to discuss.   |
| <b>Items for consideration</b> |   |
| <b>4.</b>                      | <b>Curriculum Review</b>  |
|                                | <b>Faculty of Engineering</b>   |
| <b>4.1</b>                     | <b>PC.2022.38 Department of Civil and Environmental Engineering</b><br><b>MSc Concrete Structures (H2A2, H2A224, H2A236)</b><br><b>MSc Earthquake Engineering (H2A3, H2A324, H2A336)</b><br><b>MSc General Structural Engineering (H2A1, H2A124, H2A136)</b><br><b>MSc Structural Steel Design (H2U5, H2U524, H2U536)</b>   |
| <b>4.1.1</b>                   | The PC considered the redesigned programmes named above from the Department of Civil and Environmental Engineering for delivery with effect from October 2023.  |
| <b>4.1.2</b>                   | It was agreed that a thorough and methodical approach to the curriculum review had been taken and an exemplary proposal had been presented. Well-articulated programme learning outcomes were supported by strong module learning outcomes, and a good mix of assessment was evidenced throughout. The Committee were pleased to see that both a PG Certificate and PG Diploma were available as exit awards. |
| <b>4.1.3</b>                   | The PC noted the Engineering Council compensation requirements and agreed to recommend the proposal to the Quality Assurance and Enhancement Committee (QAEC) for delivery with effect from October 2023.   |
| <b>4.2</b>                     | <b>PC.2022.39 Department of Earth Science and Engineering</b><br><b>MSc Metals and Energy Finance (J9U8)</b>  |

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| 4.2.1 | The PC considered the redesigned programme named above from the Department of Earth Science and Engineering for delivery with effect from October 2023.   |
| 4.2.2 | <p>It was agreed that a well-designed programme had been presented, and the alignment of module credit sizes to the Regulations for Taught Programmes of Study would improve student experience and reduce over assessment.</p> <p>At the meeting there was some discussion about ILOs, their interpretation, and whether some re-phrasing would be beneficial to the programme. However, post-meeting the chair clarified with the faculty office that these had already been reviewed extensively by the faculty's EDU liaison staff before submission. Therefore, these were approved via chair's action.</p> <p>The PC provided the following feedback which was not preventative in progressing the proposal:</p> <ul style="list-style-type: none"> <li>• It was noted that the option to study Spanish was no longer available on the curriculum reviewed programme. The PC encouraged the programme team to discuss associated resource implications with the CLCC department.</li> <li>• Students should be given clear and transparent assessment criteria and guidance for the 'Performance in conducting research' assessment.</li> <li>• The release of learning materials in advance was viewed as an inclusive approach, however the programme team should consider how they will encourage students to attend in person activities when all materials are made available online.</li> </ul> |
| 4.2.3 | The PC agreed to recommend the proposal to the QAEC for delivery with effect from October 2023.   |
|       | <b>Faculty of Medicine</b>  |
| 4.3   | <p><b>PC.2022.40 Department of Surgery and Cancer</b><br/> <b>MSc Digital Health Leadership (A3DHM)</b><br/> <b>PG Diploma Digital Health Leadership (A3DHD)</b><br/> <b>PG Certificate Digital Health Leadership (A3DHC)</b></p>   |
| 4.3.1 | The PC considered the redesigned programmes named above from the Department of Surgery and Cancer for delivery with effect from October 2023.   |
| 4.3.2 | <p>It was agreed that module level learning outcomes were well written, and the introduction of a reflective/professional practice journal into many modules was practical and relevant for working professionals.</p> <p>The PC agreed upon the following recommendation:</p> <ul style="list-style-type: none"> <li>• The programme level learning outcomes should be further refined to ensure that they are consistent with FHEQ level 7 language and ability.</li> </ul> <p>The PC provided the following feedback which was not preventative in progressing the proposal:</p> <ul style="list-style-type: none"> <li>• Could the MSc be offered as a full-time programme, much like the PG Dip (Track B)?</li> <li>• Several modules required students to present a 5–10-minute short video. Alternative arrangements should be put in place for those unable to complete this, for example, due to a learning difference.</li> <li>• The review mentioned a greater emphasis on small group assessments and teamwork, however, only one module (Health Information Systems) appeared to be assessed with a group report. The department should address this via the minor modifications audit later in the year.</li> </ul>  |

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| <b>4.3.3</b> | The PC advised that the recommendation above be considered and that the updated documentation be submitted to the Quality Assurance and Enhancement team. Subject to a satisfactory response, the PC agreed to recommend the proposal to the QAEC for delivery with effect from October 2023.   |
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|              | <b>Imperial College Business School</b>   |
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| <b>4.4</b>   | <b>PC.2022.41 MSc Climate Change, Management and Finance (N304)</b>   |
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| <b>4.4.1</b> | The PC considered the redesigned programme named above from the Imperial College Business School for delivery with effect from September 2023.  |
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| <b>4.4.2</b> | <p>It was agreed that a thorough review had taken place and the Committee were impressed by the range of stakeholders that had been consulted with during the process.</p> <p>The PC agreed upon the following recommendations:</p> <ul style="list-style-type: none"> <li>• Programme specification – The programme overview is brief and would benefit from further detail. A summary of the programme structure and graduate destinations would be useful. Student facing language should also be used.</li> <li>• MCQ in FHEQ level 7 modules - The use of MCQ was seen in several modules across the programme. Whilst it was noted that this type of assessment was supported by the external examiner, the Committee would appreciate a justification as to how MCQs will assess module ILOs at level 7. The particular module that was highlighted was 'Impacts and Adaptations to Climate Change'.</li> </ul> <p>The PC provided the following feedback which was not preventative in progressing the proposal:</p> <ul style="list-style-type: none"> <li>• Alumni suggested trying to increase the diversity of the cohort. The programme team should continue to monitor this.</li> <li>• More detail should be provided to assessment descriptions, for example length of assessment and/or word counts. This information supports the Committee to judge whether the assessment regime is appropriate for the module. The programme team were encouraged to update this information via the minor modifications audit later this year.</li> </ul> |
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| <b>4.4.3</b> | The PC advised that the recommendations above be considered and that the updated documentation be submitted to the Quality Assurance and Enhancement team. Subject to a satisfactory response, the PC agreed to recommend the proposal to the QAEC for delivery with effect from September 2023.  |
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| <b>5</b>     | <b>Major Modifications to Existing Programmes</b>   |
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|              | <b>Centre for Languages, Culture and Communication</b>  |
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| <b>5.1</b>   | <b>PC.2022.42 I-Explore</b>   |
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| <b>5.1.1</b> | The PC considered a major modification to change the ECTS value of the module CLCC00048 'British Sign Language Level 2' and include the module in the I-Explore portfolio with effect from October 2023.  |
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| <b>5.1.2</b> | The PC agreed to recommend the proposal to the QAEC for approval.   |
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|              | <b>Faculty of Engineering</b>   |
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| <b>5.2</b>   | <b>PC.2022.43 Department of Bioengineering<br/>MEng Biomedical Engineering (BH9C)</b>   |

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|       | <b>MEng Biomedical Engineering with a Year Abroad (BHV1)</b><br><b>Meng biomedical Engineering with a Year in Industry (BHV2)</b><br><b>MEng Molecular Bioengineering (H160)</b><br><b>MEng Molecular Bioengineering with a Year Abroad (H163)</b><br><b>MEng Molecular Bioengineering with a Year in Industry (H162)</b><br><b>BSc Biomedical Technology Ventures (B800)</b>   |
| 5.2.1 | The PC considered a major modification to update the resit policy on the programmes named above with immediate effect.  |
| 5.2.2 | It was highlighted that the department of Bioengineering had not offered in-year resits for several years. The revised policy allowed for in-year resits up to the value of 15 ECTS each year and the Faculty of Engineering representative thanked the Student Union representative for their work in progressing the proposal. A subsequent discussion was held around the use of compensation, and at what point it should be applied. It was noted that this would be discussed at the next Regulations and Policy Review Committee (RPRC).   |
| 5.2.3 | The PC agreed to recommend the proposal to the QAEC for approval on an interim basis, on the understanding that the application of compensation would be further discussed and clarified at the next Regulations and Policy Review Committee (RPRC).  |
| 5.3   | <b>PC.2022.44 Department of Civil and Environmental Engineering</b><br><b>MSc Soil Mechanics (H2U3, H2U324)</b><br><b>MSc Soil Mechanics and Engineering Seismology (H2EG, H2EG4)</b><br><b>MSc Soil Mechanics and Environmental Geotechnics (H2UN, H2UN24)</b><br><b>MSc Soil Mechanics and Engineering Geology (H2U4, H4U424)</b><br><b>MSc Soil Mechanics with Data Science and Mathematical Optimisation (H2U3M, H2U3O)</b>   |
| 5.3.1 | The PC considered a major modification to rename the programmes named above with effect from October 2023.  |
| 5.3.2 | It was agreed that the revised programme titles were logical and in line with the sector.   |
| 5.3.3 | The PC agreed to recommend the proposal to the QAEC for approval.   |
| 5.4   | <b>PC.2022.45 Department of Computing</b><br><b>BEng Mathematics and Computer Science (GG41)</b><br><b>MEng Mathematics and Computer Science (GG14)</b>   |
| 5.4.1 | <p>The PC considered the following major modifications with effect from October 2023:</p> <p>Modification form 1:</p> <ol style="list-style-type: none"> <li>To change the designation of the modules COMP50002 'Software Engineering Design, COMP50004 'Operating Systems' and MATH50013 'Probability and Statistics for JMC' from core to compulsory.</li> </ol> <p>Modification form 2:</p> <ol style="list-style-type: none"> <li>Change the designation of the module COMP60021 'Software Engineering Design' from core to elective and update the rules by which students choose their elective modules.</li> <li>Update associated programme learning outcomes.</li> </ol> <p>Modification form 3:</p> <ol style="list-style-type: none"> <li>Clarify programme requirements and BEng-MEng progression criteria.</li> <li>Minor amendments to the programme specifications.</li> </ol> |
| 5.4.2 | The redesignation of the Software Engineering Group Project was deemed appropriate on the basis that students were able to undertake groupwork in other areas of the  |

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|              | curriculum. It was agreed that groupwork should be kept under review and this area strengthened if required. Some best practice was shared amongst the Committee that would be circulated separately.   |
| <b>5.4.3</b> | The PC noted that the Progression and Classification section of the programme specifications indicated that students must achieve at least 50% in Computing Practical 1 (FHEQ level 4) in order to progress to the second year. This contravened the regulations for taught programmes of study ( <i>10.2 The module pass mark for graded modules at levels 4, 5 and 6 is 40.00.</i> ) The PC confirmed that the pass mark for this module should be 40% and any reference to this being 50% must be removed from the programme and module specifications.  |
| <b>5.4.4</b> | The PC agreed to recommend the proposal to the QAEC for approval.   |
| <b>5.5</b>   | <b>PC.2022.46 Department of Computing</b><br><b>BEng Computing (G400)</b><br><b>MEng Computing (G401)</b><br><b>MEng Computing (Artificial Intelligence and Machine Learning) (G700)</b><br><b>MEng Computing (Management and Finance) (G501)</b><br><b>MEng Computing (Visual Computing and Robotics) (GG47)</b><br><b>MEng Computing (International Programme) (G402)</b><br><b>MEng Computing (Software Engineering) (G600)</b><br><b>MEng Computing (Security and Reliability) (G610)</b>   |
| <b>5.5.1</b> | The PC considered the following major modifications with effect from October 2023:<br><br>Modification form 1:<br>a) Change the designation of all taught year 2 modules from core to compulsory.<br><br>Modification form 2:<br>a) Change the designation of the module COMP60021 'Software Engineering Group Project' from core to elective and update the rules by which students choose their elective modules.<br>b) Update associated programme learning outcomes.<br><br>Modification form 3:<br>a) Clarify programme requirements and BEng-MEng progression criteria.<br>b) Minor amendments to the programme specifications.   |
| <b>5.5.2</b> | The PC noted that this proposal was the same as item agenda item 5.4. and that the proposals had been split between JMC and the remaining Computing programmes. The PC agreed upon the same feedback.   |
| <b>5.5.4</b> | The PC agreed to recommend the proposal to the QAEC for approval.   |
| <b>5.6</b>   | <b>PC.2022.47 Dyson School of Design Engineering</b><br><b>MEng Design Engineering (28G3)</b>   |
| <b>5.6.1</b> | The PC considered the following major modifications with effect from October 2023:<br><br>a) Update all module learning outcomes to meet the requirements of the accrediting body, the Institution of Mechanical Engineers (IMechE).<br>b) Update the assessments for the core modules DESE50003 'Finite Element Analysis', DESE61006 'Robotics 1: Theory of Robotics', DESE60002 'Design Engineering Industry Placement Pt1' and DESE70001 'Design Engineering Industry Placement Pt2'.<br>c) Introduce five new elective modules. (minor)<br>d) Uplift the FHEQ level of the core module DESE40008 'Computing 2: Applications' from 4 to 5 and move to year two.<br>e) Change the ECTS value of the core module DESE50007 'Sustainable Design Engineering' from 7.5 to 5. |

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|              | <p>f) Change the title of the core module DESE50004 'Gizmo: Physical Computing' to 'Physical Computing and change the ECTS value from 10 to 7.5.</p> <p>g) Update the FHEQ level of the core module DESE50001 'Data Science' from 5 to 4 and move to year one.</p> <p>h) Update the module content of the core module DESE50005 'Industrial Design Engineering'.</p> <p>i) Move the I-Explore module offering from year three to year two.</p> <p>j) Introduce a new elective group and change the way in which students choose their elective modules.</p> <p>k) Update the weighting of module contributions on the programme specification.</p>  |
| <b>5.6.2</b> | <p>It was confirmed that the I-Explore modification had been discussed with the Chair of the CLCC and I-Explore Steering Group and had received support.</p> <p>The Committee noted the good balance of assessment types across all modules and encouraged the programme team to add further detail to assessment descriptions via the minor modifications audit later in the year.</p> <p>The PC agreed upon the following recommendations:</p> <ul style="list-style-type: none"> <li>• <b>Module learning outcomes.</b> The following module ILOs should be revisited to ensure that they are consistent with the appropriate FHEQ level language and ability. <ul style="list-style-type: none"> <li>- DESE7XXXX 'From Data to Product' Suggest replacing the verb understand.</li> <li>- DESE60009 'Design Psychology' Suggest replacing the verb understand.</li> <li>- DESE5XXXX 'Computing 2: Applications' Suggest replacing the verbs write and debug.</li> </ul> </li> <li>• <b>Module assessment.</b> The following module specifications should be revisited to address conflicting information: <ul style="list-style-type: none"> <li>- DESE40002 Introduction to Design Engineering – The assessment strategy mentions an exam, but this is not included in the assessment tab.</li> <li>- DESE50008 Thermofluids: Energy and Design – The feedback section mentions an exam, but this is not included in the assessment tab.</li> <li>- DESE60004 Optimisation – The feedback section mentions coursework, but only exams appear on the assessments tab.</li> <li>- DESE60006 Designing Interventions for Behavioural Change – The assessment strategy implies that there are 4 reports, but the assessments tab only lists exams.</li> </ul> </li> <li>• <b>Links between module learning outcomes and assessment.</b> It would be beneficial to clarify where student acquire reflection and critiquing skills in the following modules: <ul style="list-style-type: none"> <li>- DESE60003 Innovation and Entrepreneurship – 'Reflection' is mentioned in the assessment, but not included in any module ILOs.</li> <li>- DESE60010 Machine Learning for Design Engineers – 'Critique' is listed as a task in the assessment strategy but does not appear in any module ILOs. Where do students learn this?</li> </ul> </li> <li>• <b>Module pre-requisites.</b> These should be updated to reflect proposed changes (E.g., new module titles or where a module has changed level and year).</li> </ul> |
| <b>5.6.3</b> | <p>The PC advised that the recommendations above be considered and that the updated documentation be submitted to the Quality Assurance and Enhancement team. Subject to a satisfactory response, the PC agreed to recommend the proposal to the QAEC for approval.</p>   |
| <b>5.7</b>   | <p><b>PC.2022.48 Department of Electrical and Electronic Engineering</b><br/> <b>BEng Electrical and Electronic Engineering (H600)</b><br/> <b>MEng Electrical and Electronic Engineering (H604)</b><br/> <b>MEng Electrical and Electronic Engineering with Management (H6N2)</b></p>  |

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|       | <p><b>MEng Electrical and Electronic Engineering with a Year Abroad (H601)</b><br/> <b>BEng Electronic and Information Engineering (HG65)</b><br/> <b>MEng Electronic and Information Engineering (GH56)</b><br/> <b>MEng Electronic and Information Engineering with a Year Abroad (HG6M)</b></p>   |
| 5.7.1 | <p>The PC considered the following retrospective major modification with immediate effect:</p> <p>Modification form 1:</p> <ol style="list-style-type: none"> <li>a) Update the content, learning outcomes, learning and teaching strategy and assessments of the core module ELEC40004 'Programming for Engineers'.</li> </ol> <p>The PC considered the following major modifications with effect from October 2023:</p> <p>Modification form 2:</p> <ol style="list-style-type: none"> <li>a) Withdraw the core module ELEC50008 'Engineering Design Project' (EEE).</li> <li>b) Withdraw the core module ELEC50003 'Computer Engineering Design Project' (EIE).</li> <li>c) Introduce a new core module 'Electronics Design Project 2' to replace/combine the above.</li> </ol> <p>Modification form 3:</p> <ol style="list-style-type: none"> <li>a) Combine the core modules ELEC40010 'Mathematics 1A' and ELEC40011 'Mathematics 1B' into a single 15 ECTS module named 'Mathematics 1'.</li> <li>b) Change the ECTS value of the core module ELEC40006 'Electronic Design Project' from 10 to 7.5.</li> </ol> <p>Modification form 4: (EIE only):</p> <ol style="list-style-type: none"> <li>a) Split the existing core module ELEC50009 'Information Processing' into two separate core modules by: <ul style="list-style-type: none"> <li>- Changing the ECTS value from 10 to 5.</li> <li>- Adding the existing module ELEC50013 'Signals and Systems' as a core module.</li> </ul> </li> </ol> <p>Modification form 5 (EIE only):</p> <ol style="list-style-type: none"> <li>a) Change the ECTS value of the core module ELEC50010 'Instruction Architectures and Compilers' from 7.5 to 10.</li> <li>b) Change the ECTS value of the core module ELEC50014 'Software Systems' from 7.5 to 5 and make additional changes to the module details, learning and teaching approach and assessment.</li> </ol> <p>Modification form 6:</p> <ol style="list-style-type: none"> <li>a) Change the learning outcomes and make minor changes to the assessment of the core module ELEC50011 'Mathematics for Engineers'.</li> </ol> <p>Modification form 7:</p> <ol style="list-style-type: none"> <li>a) Change the grading method of the elective modules ELEC60014 'Group Consultancy Project' and ELEC60016 'Electrical Engineering Industrial Placement' from numeric to pass/fail.</li> <li>b) Withdraw the existing compulsory modules ELEC70030 'Professional Portfolio and Industrial Placement' and ELEC70105 'Professional Portfolio and Group Consultancy Project'.</li> <li>c) Introduce two new revised compulsory modules named 'Professional Competencies Portfolio' and 'Professional Competencies with Industrial Experience'.</li> </ol> <p>Modification form 8:</p> <ol style="list-style-type: none"> <li>a) Introduce a new 5 ECTS compulsory module 'Ethics and Sustainability' to year 4.</li> </ol> <p>Modification form 9 (EIE only):</p> <ol style="list-style-type: none"> <li>a) Remove the elective module group C (non-technical offering) from year 4.</li> </ol> |

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|               | The PC considered an additional major modification to add a conditional requirement to restrict the point at which students can transfer between the EEE and EIE degree pathways with effect from October 2024.   |
| <b>5.7.2</b>  | The PC were supportive of the modifications but felt that clarity could be provided in the programme specifications to identify the pre-requisites for the Professional Competencies Portfolio and Industrial experience module. This was not preventative in progressing the proposal.   |
| <b>5.7.3</b>  | The PC agreed to recommend the proposal to the QAEC for approval.   |
|               | <b>Faculty of Medicine</b>  |
| <b>5.8</b>    | <b>PC.2022.49 Department of Metabolism, Digestion and Reproduction<br/>MRes Biomedical Research (A1BA)</b>  |
| <b>5.8.1</b>  | The PC considered a major modification to change the assessment structure of the programme named above with effect from October 2023.   |
| <b>5.8.2</b>  | The PC agreed to recommend the proposal to the QAEC for approval.   |
| <b>5.9</b>    | <b>PC.2022.50 National Heart and Lung Institute<br/>MSc Allergy (AF136, AF124)<br/>PG Diploma Allergy (A3F3)<br/>PG Certificate Allergy (A3F2)<br/>PG Certificate Allergy Online (A3F20)</b>  |
| <b>5.9.1</b>  | The PC considered the following major modifications with effect from October 2023: <ul style="list-style-type: none"> <li>a) Introduce an online version of the existing PG Diploma and MSc Allergy programmes.</li> <li>b) Allow for exit points to also be entry points.</li> <li>c) Update the programme learning outcomes and assessment strategy.</li> </ul>   |
| <b>5.9.2</b>  | The PC supported the idea to expand the existing online provision and understood that the current online and blended PG Cert programmes were running successfully.<br><br>The PC agreed upon the following recommendation: <ul style="list-style-type: none"> <li>• The two programme specifications should be merged into one single document and all awards and modes of study indicated.</li> </ul>  |
| <b>5.9.3</b>  | The PC advised that the recommendation above be considered and that the updated documentation be submitted to the Quality Assurance and Enhancement team. Subject to a satisfactory response, the PC agreed to recommend the proposal to the QAEC for approval.   |
| <b>5.10</b>   | <b>PC.2022.51 Department of Surgery and Cancer<br/>MRes Cancer Biology (Cancer Biology) (A3CB)<br/>MRes Cancer Biology (Cancer Informatics) (A3CBI)</b>   |
| <b>5.10.1</b> | The PC considered the following major modifications with effect from October 2023: <ul style="list-style-type: none"> <li>a) Change the designation of the modules SURG70027 'Cancer Biology Project 1' and SURG70029 'Cancer Biology Project 2' from core to elective to form elective pathway A.</li> <li>b) Introduce two new elective modules, 'Project 1B' and 'Project 2B' to form a new elective pathway B.</li> <li>c) Introduce a new programme stream named 'Cancer Innovation'.</li> </ul> |



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| 5.10.2                             | <p>The PC were supportive of the new programme stream. The subject of student workload was highlighted, and the Committee agreed upon the following recommendation:</p> <ul style="list-style-type: none"> <li>• The balance of student assessment across the programme and the two pathways should be reviewed and revised where necessary, particularly where ECTS values differ across the project modules.</li> </ul>  |
| 5.10.3                             | <p>The PC advised that the recommendation above be considered and that the updated documentation be submitted to the Quality Assurance and Enhancement team. Subject to a satisfactory response, the PC agreed to recommend the proposal to the QAEC for approval.</p>   |
| <b>Faculty of Natural Sciences</b> |  |
| 5.11                               | <p><b>PC.2022.52 Department of Chemistry<br/>MRes Biological and Physical Chemistry (F1U2)</b></p>   |
| 5.11.1                             | <p>The PC considered the following modifications with effect from October 2023:</p> <ol style="list-style-type: none"> <li>a) Change the ECTS value of the compulsory module CHEM70029 'Python Biodata Analysis' from 5 to 7.5.</li> <li>b) Change the ECTS value of the compulsory module CHEM70032 'Experimental Planning and Protocol Design' from 10 to 7.5.</li> <li>c) Update the learning outcomes, content and assessment of the compulsory module CHEM70032 'Experimental Planning and Protocol Design'.</li> </ol>   |
| 5.11.2                             | <p>The PC agreed to recommend the proposal to the QAEC for approval.</p>   |
| 5.12                               | <p><b>PC.2022.53 Department of Life Sciences<br/>MRes Biosystematics (C1Y8)<br/>MRes Computational Methods in Ecology and Evolution (C1Y9)<br/>MRes Ecology, Evolution and Conservation Research (C1Z9, C1Z924)<br/>MRes Ecosystem and Environmental Change (C1G1, C1G124)<br/>MSc Computational Methods in Ecology and Evolution (C1B2)<br/>MSc Ecological Applications (C1U7)<br/>MSc Ecology, Evolution and Conservation (C1Z8)<br/>MSc Research Methods in Ecology (C127)<br/>MSc Taxonomy, Biodiversity and Evolution (C1U8)</b></p>  |
| 5.12.1                             | <p>The PC considered a major modification to restructure the programmes named above to become streams of a new umbrella programme, the MRes or MSc Living Planet with effect from October 2024.</p>  |
| 5.12.2                             | <p>The PC were fully supportive of the proposal to restructure and streamline the administration of these programmes and were pleased to see the introduction of a PG Certificate exit award.</p> <p>The PC provided the following feedback which was not preventative in progressing the proposal:</p> <ul style="list-style-type: none"> <li>• The programme team could consider the option of offering the PG Certificate as an entry award to attract those that may want to learn a specialisation.</li> <li>• A pictorial chart could be added to the programme specifications to clearly map out specialism pathways and modules for potential students.</li> <li>• The two programmes associated with the Natural History Museum (MRes Biosystematics and MSc Taxonomy, Biodiversity and Evolution) were presented on the same programme specification but are not using the same umbrella 'Living Planet' title. The programme team should be prepared for potential queries from applicants about this.</li> </ul> |

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|               | <ul style="list-style-type: none"> <li>• Rather than repeating the new learning outcomes under each MRes programme title, it would be clearer to add a 6<sup>th</sup> learning outcome under the main programme learning outcomes.</li> <li>• The MSc Living Planet with Research Methods in Ecology involves an international field course, typically held in Malaysia. Any additional programme costs should be added to the programme specification.</li> </ul>  |
| <b>5.12.3</b> | The PC agreed to recommend the proposal to the QAEC for approval.   |
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|               | <b>Imperial College Business School</b>   |
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| <b>5.13</b>   | <b>PC.2022.54 Imperial College Business School<br/>BSc Economic Finance and Data Science (L1N3)</b>   |
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| <b>5.13.1</b> | <p>The PC considered the following major modifications with effect from October 2023:</p> <ol style="list-style-type: none"> <li>Change the learning outcomes and allocation of study hours of the core module BUSI40001 'Mathematical Foundations'.</li> <li>Change the learning outcomes and allocation of study hours of the core module BUSI40003 'Introduction to Data Science'.</li> <li>Change the learning outcomes and allocation of study hours of the compulsory module BUSI40007 'Macroeconomics 1'.</li> <li>Change the learning outcomes of the compulsory module BUSI40009 'Essential Skills 1: Creative Problem Solving'.</li> </ol>                                    |
|               |   |
| <b>5.13.2</b> | The PC were supportive of the modifications but felt that more detail should be provided in assessment descriptions. The programme team were encouraged to update these via the minor modifications audit later in the year. This feedback was not preventative in progressing the proposal.  |
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| <b>5.13.3</b> | The PC agreed to recommend the proposal to the QAEC for approval.   |
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| <b>5.14</b>   | <b>PC.2022.55 Imperial College Business School<br/>MSc International Management (N1UF)</b>  |
|               |   |
| <b>5.14.1</b> | <p>The PC considered the following major modifications with effect from September 2023:</p> <ol style="list-style-type: none"> <li>Withdraw the 15 ECTS compulsory module BUSI70054 'Leadership in Action' and replace it with 3 new 5 ECTS modules.</li> <li>Withdraw the non-credit bearing compulsory module BUSI70039 'European Immersion'.</li> <li>Remove the elective module BUSI70046 'Glocal Business'.</li> <li>Change the ECTS value, learning outcomes and assessments of the elective module BUSI70073 'Project Management' (minor).</li> <li>Remove the programme specific regulations to align with the College's regulations for taught programmes of study.</li> </ol> |
|               |   |
| <b>5.14.2</b> | <p>The PC provided the following feedback which was not preventative in progressing the proposal:</p> <ul style="list-style-type: none"> <li>• More detail should be provided to assessment descriptions. The programme team were encouraged to update this information via the minor modifications audit later this year.</li> <li>• Standard Leganto links could be added to the reading list box on the module specification so that digitised, accessible and up-to-date lists can be provided to students.</li> </ul>  |
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| <b>5.14.3</b> | The PC agreed to recommend the proposal to the QAEC for approval.   |
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| <b>5.15</b>   | <b>PC.2022.56 Imperial College Business School</b>  |

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|               | <b>MSc Strategic Marketing Online (N501D)</b>   |
|               |   |
| <b>5.15.1</b> | The PC considered the following major modifications with effect from September 2023:<br>a) Change the grading method of the elective module BUSI70089 'Work Based Project' from numeric to pass/fail.<br>b) Remove the programme specific regulations to align with the College's regulations for taught programmes of study. |
|               |   |
| <b>5.15.2</b> | The PC agreed to recommend the proposal to the QAEC for approval.   |
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| <b>6</b>      | <b>Short Courses</b>  |
|               |   |
| <b>6.1</b>    | <b>PC.2022.57 Department of Civil and Environmental Engineering<br/>Design of Steel Structures to EC3</b>   |
|               |   |
| <b>6.1.1</b>  | The PC considered a proposal to introduce the non-credit bearing online short course named above with immediate effect.   |
|               |   |
| <b>6.1.2</b>  | The PC agreed to recommend the proposal to the QAEC for approval.   |
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| <b>7</b>      | <b>Suspensions and Withdrawals</b>  |
|               |   |
|               | <b>Faculty of Engineering</b>   |
|               |   |
| <b>7.1</b>    | <b>PC.2022.58 Dyson School of Design Engineering<br/>MSc/MA Global Innovation Design (H3D1)</b>   |
|               |   |
| <b>7.1.1</b>  | The PC considered a proposal to withdraw the programme named above with effect from October 2023.   |
|               |   |
| <b>7.1.2</b>  | The PC agreed to recommend the proposal to the QAEC for approval.   |
|               |   |
|               | <b>Faculty of Medicine</b>  |
|               |   |
| <b>7.2</b>    | <b>PC.2022.59 Department of Surgery and Cancer<br/>MSc Surgical Innovation (A3EVO)</b>  |
|               |   |
| <b>7.2.1</b>  | The PC considered a proposal to withdraw the programme named above with effect from October 2023.   |
|               |   |
| <b>7.2.3</b>  | The PC agreed to recommend the proposal to the QAEC for approval.   |
|               |   |
|               | <b>Faculty of Natural Sciences</b>  |
|               |   |
| <b>7.3</b>    | <b>PC.2022.60 Centre for Environmental Policy<br/>MSc Sustainable Management (J9M2, J9M2P)</b>  |
|               |   |
| <b>7.3.1</b>  | The PC considered a proposal to withdraw the programme named above with effect from October 2023.   |
|               |   |
| <b>7.3.2</b>  | The PC agreed to recommend the proposal to the QAEC for approval.   |
|               |   |
| <b>7.4</b>    | <b>PC.2022.61 Department of Chemistry<br/>MRes Biomaging Sciences (F1U6)</b>  |
|               |   |
| <b>7.4.1</b>  | The PC considered a proposal to suspend the programme named above with effect from October 2023.  |

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| 7.4.2                         | The PC agreed to recommend the proposal to the QAEC for approval.   |
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| 7.5                           | <b>PC.2022.62 Department of Physics<br/>BSc Physics and Music Performance (F3W3)</b>  |
|                               |   |
| 7.5.1                         | The PC considered a proposal to withdraw the programme named above with effect from October 2023.   |
|                               |   |
| 7.5.2                         | The PC agreed to recommend the proposal to the QAEC for approval.   |
|                               |   |
| <b>Items to note</b>          |   |
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| 8.1                           | <b>PC.2022.63 Chair's Report</b>  |
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|                               | The PC noted the proposals that had been approved by via Chair's action on behalf of the PC since the last meeting.   |
|                               |   |
| <b>Faculty of Engineering</b> |   |
|                               |   |
| 8.1.1                         | <p><b>PC.2022.CA16 Department of Electrical and Electronic Engineering<br/>BEng Electronic and Information Engineering (HG65)<br/>MEng Electronic and Information Engineering (GH56)<br/>MEng Electronic and Information Engineering with a Year Abroad (HG6M)<br/>MEng Electrical and Electronic Engineering with Management (H6N2)<br/>BEng Electrical and Electronic Engineering (H600)<br/>MEng Electrical and Electronic Engineering (H604)<br/>MEng Electrical and Electronic Engineering with a Year Abroad (H601)</b></p> <p>An in-session proposal to update the following:</p> <p><b>Modification form 1 (Correction of elective module offerings)</b></p> <ol style="list-style-type: none"> <li>Remove the elective module ELEC60030 Robotic Manipulation from year 4 of H604</li> <li>Remove reference to the elective module Advanced Mathematics for Signal Processing from all programmes</li> <li>Add the existing elective module ELEC60021 Mathematics for Signals and Systems to year 3 of GH56, H6N2, HG6M and HG65</li> </ol> <p><b>Modification form 2 (Year Abroad)</b></p> <ol style="list-style-type: none"> <li>To remove details of the year abroad programmes from the main programme specifications and have separate documents for clarity</li> <li>To update the year 4 ECTS total from 90 to 60</li> <li>To offer additional electives to year 4 in the form of the existing module ELEC70030 Professional Portfolio and the new module Cultural Dissertation</li> </ol> <p><b>Modification form3 (Professional Portfolio and Industrial Placement/Group Consultancy Project)</b></p> <ol style="list-style-type: none"> <li>To clarify the Professional Portfolio module so that it is clear whether students have taken a placement of group consultancy project by;</li> <li>Changing the module title of ELEC70030 Professional Portfolio and Summer Placement to Professional Portfolio and Industrial Placement</li> <li>Adding a new module called Professional Portfolio and Group Consultancy Project.</li> </ol> |
|                               |   |
| <b>Faculty of Medicine</b>    |   |
|                               |   |
| 8.1.2                         | <b>PC.2022.CA14 School of Public Health<br/>Global Master of Public Health 2YPT, 3YPT (A3BHN, A3BHO)<br/>Global Postgraduate Diploma of Public Health (A3BHND)</b>  |

|       |   |
|-------|---|
|       | <p><b>Global Postgraduate Certificate of Public Health (A3BHNC)</b></p> <p>An in-session proposal to remove the Multiple-Choice Questionnaire assessment (25%) and reweight the Economics Evaluation Capstone Project to 100% on the elective module PUBH70011 Health Economics with immediate effect.</p>  |
| 8.1.3 | <p><b>PC.2022.CA15 School of Public Health</b><br/> <b>Global Master of Public Health 2YPT, 3YPT (A3BHN, A3BHO)</b><br/> <b>Global Postgraduate Diploma of Public Health (A3BHND)</b><br/> <b>Global Postgraduate Certificate of Public Health (A3BHNC)</b></p> <p>An in-session proposal to remove the Multiple-Choice Questionnaire assessment (10%) and reweight the 1,500-word essay to 100% on the elective module PUBH70019 Population Health Improvement with immediate effect.</p>  |
| 8.1.4 | <p><b>School of Public Health</b></p> <p>An in-session modification to update the assessment must pass field from Yes to No on the core modules below with immediate effect. This was to correct an unintentional error when submitting original documentation.</p> <ul style="list-style-type: none"> <li>• PUBH70026 Principles and Methods of Epidemiology</li> <li>• PUBH70027 Molecular Epidemiology</li> <li>• PUBH70028 Translational Data Science</li> <li>• PUBH70029 Clinical Data Management</li> <li>• PUBH70030 Machine Learning</li> <li>• PUBH70031 Computational Epidemiology</li> <li>• PUBH70032 Advanced Analytics</li> <li>• PUBH70033 Population Health Analytics</li> <li>• PUBH70043 Introduction to Statistical Thinking and Data Analysis</li> </ul>   |
|       | <p><b>Faculty of Natural Sciences</b></p>   |
| 8.1.5 | <p><b>PC.2022.CA13 – Department of Mathematics</b></p> <p>An in-session proposal to update the following elective modules groups and offerings:</p> <ol style="list-style-type: none"> <li>a) <b>BSc Mathematics</b> - Move elective module MATH60132 Mathematical Logic from elective group A to D.</li> <li>b) <b>BSc Mathematics with Applied Mathematics and Mathematical Physics</b> – Move elective modules MATH60012 Mathematical Finance: An introduction to Option Pricing and MATH60013 The Mathematics of Business and Economics from elective group A to D.</li> <li>c) <b>BSc Mathematics with Applied Mathematics and Mathematical Physics</b> – Add existing module MATH60131 Consumer Credit Risk Modelling as an elective.</li> <li>d) <b>BSc Mathematics with Statistics</b> - Add existing module MATH60131 Consumer Credit Risk Modelling as an elective.</li> <li>e) <b>BSc Mathematics with Statistics</b> – Move elective module MATH60026 Methods for Data Science from elective group A to D.</li> <li>f) <b>BSc Mathematics with Statistics for Finance</b> – Add existing module MATH60131 Consumer Credit Risk Modelling as an elective.</li> <li>g) <b>BSc Mathematics with Statistics for Finance</b> - Move elective modules MATH60012 Mathematical Finance: An introduction to Option Pricing, MATH60013 The Mathematics of Business and Economics and MATH60027 Scientific Computation from elective group A to D.</li> <li>h) <b>BSc Mathematics, Optimisation and Statistics</b> – Updates to year 3 elective modules (To note, this programme is currently withdrawn for entry).</li> </ol> |
|       | <p><b>Imperial College Business School</b></p>  |

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| <b>8.1.6</b>              | <b>PC.2022.05 Imperial College Business School Weekend MBA (Saudi Aramco) (N1UC)</b><br><br>The redesigned programme named above for delivery with effect from October 2024.   |
| <b>8.1.7</b>              | <b>PC.2022.CA09 Imperial College Business School MBA Suite</b><br><br>An in-session proposal to update the following:<br><br>a) To add the existing module BUSI70053 Leadership as an elective module on the Executive MBA and Weekend MBA 21 cohort<br>b) To add the existing module BUSI70116 Business Analytics as an elective module on the Executive MBA and Weekend MBA 21 cohort and the Global MBA 21 January cohort<br>c) To add the new elective module Individual Project on the Global MBA 21 September cohort<br>d) To add the HEC Business School to the available exchange partners for the Executive and Weekend MBA 22 cohorts. |
| <b>8.1.8</b>              | <b>PC.2022.CA17 Imperial College Business School N1UQ MRes Business (1YFT) N1UQ2 MRes Business (2YFT)</b><br><br>An in-session proposal to update the following:<br><br>a) Change the title of the elective London Business School module BUSI70346 'Seminar in Organisation Behaviour' to 'Micro OB Individuals'<br>b) Change the title of the elective London Business School module 'Seminar in Positive Psychology and Employee Engagement' to 'Seminar in Organisational Behaviour'<br>c) Add the missing Plagiarism Awareness module to programme specifications.  |
| <b>8.2</b>                | <b>Quality Assurance and Enhancement Committee (QAEC)</b><br><br>The PC noted the minutes from the previous QAEC found on the College webpages: <a href="http://www.imperial.ac.uk/about/governance/academic-governance/senate-subcommittees/quality-assurance-enhancement-committee/">www.imperial.ac.uk/about/governance/academic-governance/senate-subcommittees/quality-assurance-enhancement-committee/</a>   |
| <b>Any Other Business</b> |  |
| <b>9.1</b>                | A discussion was held around the publication of module specifications and visibility across the College. It was noted that the Quality Assurance team were working on a central repository to house these.   |
| <b>9.2</b>                | A discussion was held around the remaining major modifications to consider for academic year 23/24. It was agreed that the next PC scheduled for 28 March would be cancelled and all business be managed offline. The PC secretary would circulate a spreadsheet with reviewer allocations as soon as possible.  |
| <b>9.3</b>                | The Chair thanked Committee members for their contributions and closed the meeting.  |