# Department of Mathematics The Open University of Sri Lanka

**Information Sheet – Academic Year 2023/2024**

PEU5302 – Combinatorics

This sheet will provide important information about the course **PEU5302** offered by the Department of Mathematics. Please read it very carefully so that you would be able to gain a general idea about the course.

If you need further assistance or clarification please contact the relevant coordinator of the course. If any of the course materials is not available, inform the relevant coordinator at your earliest.

# Coordinator : Ms. D.B.D. Chamaleen (e-mail: dbcha@ou.ac.lk, Tel: 0112881443)

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| Study Material and Time Table | * At registration students will receive
	+ Course materials for the course
	+ Time table for the course
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| Nature of study | * Study material will be discussed on day schools **through onsite and online**

(hybrid) mode organized by the Department of Mathematics.* During the semester, the Department will conduct an OBT (Open Book Test) and a NBT (No Book Test) for the course.
* Marks of these tests will be used to calculate the Overall Continuous

Assessment Mark (OCAM). |
| Day Schools | * For a 3 credit course there will be minimum 3 day schools .Here 10 hours allocated for the day school and 2 hours allocated for revision day school.
* Some of day schools will be conducted through onsite and online mode.
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| Open Book Test (OBT) | * Test duration will be one hour. Students will be allowed to use any study material during the examination.
* Test will be held in all 9 regional and selected study centers.
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| No Book Test (NBT) | * The test durations will be one hour. Students will NOT be allowed to use any study material in the examination.
* Test will be held in all 9 regional and selected study centers.
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| Eligibility for Final Examination | * Students need to obtain minimum OCAM of 35**%** to be eligible to sit the final examination.
* OCAM will be calculated based on your performance at the OBT and NBT. The final OCAM will be calculated as follows:

(Highest Mark of OBT/NBT) \* 60% + (Lowest mark of OBT/NBT) \* 40% |
| Final Examination | * Test will be held in all 9 regional and selected study centers.
* There will be a two hour theory paper at the final examination.
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| Final Mark (FM) | FM  0.6FEM 0.4CAM if FEM  40FM  0.6FEM  0.4CAM if 30  FEM<40; subject to a maximum of 40FM  FEM if FEM<30\* FEM – Final Examination Mark |

**General Information about the course**

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| **Course Code** | **Course Title** | **Credit Rating** | **Semester Offered** | **Course is Delivered by** |
| PEU5302 | Combinatorics | 3 | 1 | Ms. D.B.D. Chamaleen |

# Scheme of Assessment Criteria of the course

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| **Course Code and Title** | **Structure of CAT** | **Structure of Final Examination** |
| PEU5302:Combinatorics | There will be two (02) assessment components* Open Book Test (OBT) – one hour
* No Book Test (NBT) – one hour

Structure: Compulsory questions which are structured and/ or short and/or essay type questions. | * There will be one theory paper of 02 hour duration.
* It will consist of 06 essay/structured type questions.

Students are expected to answer 4 questions of the six structured and/or essay questions. |

2