

## Module Template for New and Revised Modules<sup>1</sup>

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| <b>Module Code</b>   | EEMT01   |
| <b>Module Name</b>   | PSYCHOACOUSTICS  |
| <b>ECTS Weighting<sup>2</sup></b>  | 5 ECTS   |
| <b>Semester taught</b>   | Semester 1   |
| <b>Module Coordinator/s</b>  | TBC  |
| <b><u>Module Learning Outcomes</u> with reference to the <u>Graduate Attributes</u> and how they are developed in discipline</b> | On successful completion of this module, students should be able to:<br><br>To think independently.<br>To communicate effectively.   |
| <b>Module Content</b>  | This module addresses auditory perception and consider the impression associated with various physical and physiological attributes and related measures, including:<br>Sound waves, vibration, decibels, loudness and its dependence on: amplitude, frequency, and simultaneous sound presentation. Loudness processors. Pitch perception for simple and complex tones. Pitch and frequency dependency. Consonance and Dissonance. Tuning. Timbre and spectral dependency. Classical and Modern theories of timbre. Ear response, masking and perceptual compression systems. |
| <b>Teaching and Learning Methods</b>   | Learning is via Lecture presentation and question and answer sessions.   |

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<sup>1</sup> [An Introduction to Module Design](#) from AISHE provides a great deal of information on designing and re-designing modules.

<sup>2</sup> [TEP Glossary](#)

| <b>Assessment Details<sup>3</sup></b><br><b>Please include the following:</b> <ul style="list-style-type: none"> <li>• <b>Assessment Component</b></li> <li>• <b>Assessment description</b></li> <li>• <b>Learning Outcome(s) addressed</b></li> <li>• <b>% of total</b></li> <li>• <b>Assessment due date</b></li> </ul> | Assessment Component | Assessment Description   | LO Addressed                                   | % of total | Week due |
|---|----------------------|--|--|------------|----------|
|   | Exam                 | 4 questions to be answered:<br>1 multipart compulsory Q1 (40%)<br>3 out of 5 optional questions (20% each) | Independent Thinking about auditory perception | 100        | 14       |
|   |                      |  |  |            |          |
|   |                      |  |  |            |          |
|   |                      |  |  |            |          |

**Reassessment Requirements**

|  |   |
|--|---|
| <b>Contact Hours and Indicative Student Workload<sup>3</sup></b> | <b>Contact hours:</b><br>22 hours of lectures   |
|  | <b>Independent Study (preparation for course and review of materials):</b><br>28 hours                    |
|  | <b>Independent Study (preparation for assessment, incl. completion of assessment):</b><br><b>30 hours</b> |

**Recommended Reading List**

Listening by Stephen Handel

**Module Pre-requisite**

None

**Module Co-requisite**

none

**Module Website**

None

**Are other Schools/Departments involved in the delivery of this module? If yes, please provide details.**

No

**Module Approval Date**

**Approved by**

**Academic Start Year**

<sup>3</sup> [TEP Guidelines on Workload and Assessment](#)

**Academic Year of Date**