## FACULTY OF APPLIED SCIENCES
## BACHELOR OF SCIENCE IN COMPUTING
## LEARNING MODULE OUTLINE

澳門理工大學
Universidade Politécnica de Macau
Macao Polytechnic University

| Academic Year | 2024/2025 | Semester | 2 |
|---|---|---|---|
| Module Code | MENG2112 | | |
| Learning Module | English IV | | |
| Pre-requisite(s) | MENG2111 - English III | | |
| Medium of Instruction | English | | |
| Credits | 3 | Contact Hours | 45 hours |
| Instructor | Zachary Chui<br>Jovy Wong<br>Gavin Wu | Email | zchui@mpu.edu.mo<br>t1582@mpu.edu.mo<br>gavinwu@mpu.edu.mo |
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**MODULE DESCRIPTION**

This is the second half of a year-long module in Year 2 that aims to further develop students' English language skills within an academic framework at the upper intermediate level. All four macro skills are covered through a topical syllabus in this module, with substantial emphasis placed on the review of grammatical conventions and the development of vocabulary, general and academic reading, conversational and writing skills. Through communicative practice activities, students will learn to cooperate and communicate with others in English. They will develop creativity, critical thinking, interpersonal skills and problem-solving ability. Furthermore, they will improve their ability to use English in social, academic and professional situations.

**MODULE INTENDED LEARNING OUTCOMES (ILOS)**

On completion of this learning module, students will be able to:

| M1. | Refine creativity and critical thinking through communicative tasks and activities; (C17, C4) |
|---|---|
| M2. | Develop communicative competence in reading, writing, listening and speaking; (C17, C16)<br>• Read 2 passages related to technology;<br>• Write 1 short composition related to daily life;<br>• Listen to videos and recordings related to the topics, and be able to give correct answers and interact with other students in communicative practice activities;<br>• Speak and communicate in the activities that require students to prepare and give presentations on various topics. |
| M3. | Extend vocabulary related to IT and other different subjects; (C17, C4) |
| M4. | Develop competence in technical literature and documentation by reading articles related to Computing and using various informational sources; (C12) |
| M5. | Demonstrate competent knowledge of certain grammatical structures in both speaking and writing including, but not limited to: (1) articles and quantifiers; (2) relative clauses; (3) different forms of gerunds and infinitives; (4) modal verbs. (C17, C16) |

These ILOs aims to enable students to attain the following Programme Intended Learning Outcomes (PILOs):

| PILOs | M1 | M2 | M3 | M4 | M5 |
|---|---|---|---|---|---|
| P1. Select and apply proven methods, tools and techniques to the effective and efficient implementation of information systems on common platforms, including the Internet platform; | | | | | |
| P2. Acquire essential knowledge in specific fields of computing disciplines including networking, artificial intelligence and security; | | | | | |
| P3. Apply necessary mathematical techniques to model, analyse and devise solutions to complex problems; | | | | | |
| P4. Work independently to develop an understanding of, and the knowledge and skills associated with the general support and mitigation of security risks of computer systems and networks; | | | | | |
| P5. Design and implement relational database, with an emphasis on how to organise, maintain, retrieve and analyse information; | | | | | |
| P6. Distinguish the fundamental and operational issues of computer systems, with considerations of user, business, ethical, societal and environmental needs; | | | | | |
| P7. Evaluate, prepare and communicate effectively on technical information to both technical and non-technical audience; | ✓ | ✓ | ✓ | ✓ | ✓ |
| P8. Work as an effective member of a team in the analysis, design and development of software systems, with recognition of requirement to support equality, diversity and inclusion; | | | | | |
| P9. Use project planning, risk management and quality management techniques in solutions to complex problems; | | | | | |
| P10. Build the capacity and desire for lifelong learning and to learn advanced and emerging technologies on one's own; | | ✓ | | | |
| P11. (For Business Intelligence specialization) Gain an in-depth knowledge of technologies related to data analysis and management of information to support business processes in enterprises; | | | | | |
| P12. (For Gaming Technology specialization) Acquire the general and advanced knowledge of current technologies and operating environment for the development of the gaming and tourism industry; | | | | | |
| P13. (For Computer Education specialization) Acquire general and practical knowledge of computer education and its practicing environment in secondary education; | | | | | |

**MODULE SCHEDULE, COVERAGE AND STUDY LOAD**

| Week | Content Coverage | Contact Hours |
|------|------------------|---------------|
| 1 | 1. Module Introduction | 3 |
| 2-4 | 2. Unit Topic: "Getting It Right" | 7.5 |
| | 2.1 Vocabulary review | |
| | 2.2 Grammar Focus: Use and non-use of articles | |
| | 2.3 Reading, listening, and writing practice | |
| 5-7 | 3. Unit Topic: "Events" | 10.5 |
| | 3.1 Vocabulary review | |
| | 3.2 Grammar Focus: Quantifiers | |
| | 3.3 Grammar Focus: Relative pronouns and clauses | |
| | 3.4 Reading, listening, and writing practice | |
| 6-9 | 4. Unit Topic: "Fame" | 10.5 |
| | 4.1 Vocabulary review | |
| | 4.2 Grammar Focus: Use of gerunds and infinitives | |
| | 4.3 Grammar Focus: Different gerund and infinitive forms | |
| | 4.4 Reading, listening, and writing practice | |
| 9-11 | 5. Unit Topic: "Strange But True" | 10.5 |
| | 5.1 Vocabulary review | |
| | 5.2 Grammar Focus: Overview of modal verbs | |
| | 5.3 Grammar Focus: Modals in the past tense | |
| | 5.4 Reading, listening, and writing practice | |
| 15 | Individual Presentation | 3 |

## TEACHING AND LEARNING ACTIVITIES

In this learning module, students will work towards attaining the ILOs through the following teaching and learning activities:

| Teaching and Learning Activities | M1 | M2 | M3 | M4 | M5 |
|---|---|---|---|---|---|
| T1.  Lectures, case studies, videos | ✓ | ✓ | ✓ | ✓ | ✓ |
| T2.  In-class exercises | ✓ | ✓ | ✓ |  | ✓ |

## ATTENDANCE

Attendance requirements are governed by the Academic Regulations Governing Bachelor's Degree Programmes of the Macao Polytechnic University. Students who do not meet the attendance requirements for the learning module shall be awarded an 'F' grade.

## ASSESSMENT

In this learning module, students are required to complete the following assessment activities:

| Assessment Activities | Weighting (%) | AHEP4 LOs | ILOs to be Assessed |
|---|---|---|---|
| A1.  Assignments: Homework and In-class exercises | 20% | C17, C4, C16, C12 | M1, M2, M3, M4, M5 |
| A2.  Individual writing assignment | 10% | C17, C4 | M1, M2, M3, M5 |
| A3.  Individual Presentation | 10% | C17, C4 | M1, M2, M3, M5 |
| A4.  Tests | 20% | C17, C4 | M1, M2, M3, M4, M5 |
| A5.  Examination | 40% | C17, C4 | M1, M2, M3, M4, M5 |

The assessment will be conducted following the University's Assessment Strategy (see www.mpu.edu.mo/teaching_learning/en/assessment_strategy.php). Passing this learning module indicates that students will have attained the ILOs of this learning module and thus acquired its credits.

Students with an overall score of less than 35 in the coursework must take the re-sit examination even if the overall score for the module is 50 or above.

Students with a score of less than 35 in the final examination must take the re-sit examination even if the overall score for the module is 50 or above.

Students with an overall final grade of less than 35 are NOT allowed to take the re-sit examination.

## REQUIRED READINGS

1.  Cunningham, S., Moor, P., & Bygrave, J. (2013). Cutting Edge Students' Book - Upper Intermediate, (3rd Edition), Pearson Education.

## REFERENCES

1.  Comyns, J., Eales, F., & Williams, D. (2013). Cutting Edge Workbook - Upper Intermediate, (3rd Edition), Pearson Education.

2.  Evans, A., Martin, K., & Poatsy, M. A. (2009). Technology in Action, (5th Edition), Longman.

3.  Smith-Worthington, D., & Jefferson, S. (2011). Technical Writing for Success, Cengage Learning.

4.  Berndtsson, M., Hansson, J., Olsson, B., & Lundell, B. (2008). Thesis Projects, A Guide for Students in Computer Science and Information Systems, (2nd Edition), Springer Publishing.

5.  Christian, W. D. (2015). Projects in Computing and Information Systems, A Student's Guide, (3nd Edition). Pearson Education.

## STUDENT FEEDBACK

At the end of every semester, students are invited to provide feedback on the learning module and the teaching arrangement through questionnaires. Your feedback is valuable for instructors to enhance the module and its delivery for future students. The instructor and programme coordinators will consider all feedback and respond with actions formally in the annual programme review.

## ACADEMIC INTEGRITY

The Macao Polytechnic University requires students to have full commitment to academic integrity when engaging in research and academic activities. Violations of academic integrity, which include but are not limited to plagiarism, collusion, fabrication or falsification, repeated use of assignments and cheating in examinations, are considered as serious academic offenses and may lead to disciplinary actions. Students should read the relevant regulations and guidelines in the Student Handbook which is distributed upon the admission into the University, a copy of which can also be found at www.mpu.edu.mo/student_handbook/.