

**Macao Polytechnic Institute**  
**School of Health Sciences and Sports**  
**Bachelor of Science in Biomedical Studies**  
**(Pharmacy Technology)**

**Module Outline**

Academic Year 2021 / 2022 Semester 1

<b>Learning Module</b>	Thesis I (專題習作 I)		<b>Class Code</b>	BSTP4101
<b>Pre-requisite(s)</b>	Nil			
<b>Medium of Instruction</b>	English / Chinese		<b>Credit</b>	2
<b>Lecture Hours</b>	0 hrs	<b>Lab/Practice Hours</b>	30 hrs	<b>Total Hours</b> 30 hrs
<b>Instructor</b>	Tong Hoi Yee, Henry Pedro Fong Lao Cheng Kin, Chatmann Yi Tao, Aaron Kuok Chiu Fai, Kenny		<b>E-mail</b>	<a href="mailto:cfluok@ipm.edu.mo">cfluok@ipm.edu.mo</a> (Module coordinator)
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**Description**

This module requires students to have an in-depth understanding of a specific topic of pharmacy practice or pharmaceutical science. The core issues of the topic will be identified first. Then the related factors will be investigated. Students will critically review relevant research reports and medical literature to get a thorough understanding of the core issues. Students will be required to submit a research proposal at the end of the module.

**Learning Outcomes**

After completing the learning module, students will be able to:

1. Develop skills in critical thinking;
2. Develop sensitivity to contemporary issues in pharmacy practice or pharmaceutical science;
3. Develop skills of using available evidence in reviewing current pharmacy practice or latest pharmaceutical science;
4. Develop skills of making action plans for improving pharmacy practice or developing pharmaceutical science;
5. Develop skills of writing proposals for research projects in an academic style and at the publishable level.

## **Content**

Learning activities will be done in groups.

1. Identification of the topic and core issues
  - 1.1. Observe the practice in the assigned topic. Have a focus on a certain aspect of practice and examine the current practice in terms of the various stages of the process – assessment, planning, implementation and evaluation.
  - 1.2. Put together the observations and identify an area of concern that may involve various stakeholders including pharmacists, pharmacy technicians, other healthcare professionals, service-users, the management, the community, and even the government.
  - 1.3. From the identified concern, develop a topic for in-depth exploration. This could be a research question, or simply a topic of interest.
  - 1.4. Discuss the related issues and identify the core ones.
  - 1.5. Look for related literature including research reports from professional journals, mass media and government documents.
2. Formulation of an initial project plan / proposal
  - 2.1. Develop an initial version of either a research proposal or an action plan for improving pharmacy practice.
  - 2.2. Explain the initial proposal.

## **Assessment**

This learning module is graded on a 100 point scale, with 100 being the highest possible score and 50 being the passing score.

	<b>Item</b>	<b>Description</b>	<b>Percentage</b>
1.	Research proposal	Graded by group teacher	60%
2.	Proposal presentation	Graded by proposal evaluation committee	40%

**Total Percentage:** 100%

## **Teaching Material(s)**

As advised by group teachers.