



รายวิชาศึกษาทั่วไป
ชื่อรายวิชา วรรณกรรมวิทยาศาสตร์กับสังคม
รหัสวิชา ศศกอ 280

ระดับปริญญาตรี
คณะศิลปศาสตร์

Course Specification Section 1 General Information

1. Course Code and Title

In Thai

ศศกอ 280 วรรณกรรมวิทยาศาสตร์กับสังคม

In English

LAEN 280 Science Fictions and Society

2. Number of Credits

2 (2-0-4) Credits

(Theory 2 hrs. Self-study 0 hrs Practice 4 hrs. / week)

3. Curriculum and Course Type

3.1 Program of Study

International Bachelor's Degree (International Program)

3.2 Course Type

General Education

3.3 Please Specify Course's Literacy

- MU Literacy (Core Values, SEP, GE for Human Development)
- Health Literacy (Health, Sport)
- Digital Literacy (ICT, Applied Mathematics)
- Social and Humanity Literacy (Social, Humanity, Law, Ethics, Arts)
- Communication Literacy (language, Academic Communication)
- Science and Environmental Literacy (Applied Science for Life, Environmental Responsibility)
- Finance and Management Literacy (Finance, Management, Entrepreneur)

3.4 Please Specify Relationship between course and corporate culture

- M - Mastery รู้แจ้ง รู้จริง สมเหตุ สมผล
- A - Altruism มุ่งผลเพื่อผู้อื่น
- H - Harmony กลมกลืนกับสรรพสิ่ง
- I - Integrity มั่นคงยิ่งในคุณธรรม
- D - Determination แน่วแน่ทำ กล้าตัดสินใจ
- O - Originality สร้างสรรค์สิ่งใหม่
- L - Leadership ใฝ่ใจเป็นผู้นำ



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4. Course Coordinator and Instructor

4.1 Coordinator

Dr. Somboon Pojprasat,
English Programme, Faculty of Liberal Arts
Tel.: 080-603-6397 E-mail: denlings@hotmail.com

4.2 Instructor

Dr. Somboon Pojprasat and Ms. Nithina Preechathaveekit

5. Semester/Class Level

5.1 Semester

All semesters/ all undergraduate levels

5.2 Number of Students Allowed

Approximately 40 students

6. Pre-requisite

None

7. Co-requisites

None

8. Study Site Location

Faculty of Liberal Arts Mahidol University

9. Date of Preparation/Latest Revision of the Course Specifications Day 18 Month July Year 2019



Section 2 Aims and Objectives

1. Aims of the Course

The course aims to present a close relationship between the concepts of science and those of literature from which students will have more awareness of the influence of science on humans.

2. Objectives of Course Development/Revision

2.1 Course Objectives

The course will equip students with literary knowledge, literary ideas and and their relationship with scientific thinking by means of reading selected science fictions together with critical discussion of the works.

2.2 Course-level Learning Outcomes (CLOs)

By the end of the course, students will able to

1. CLO1 Explain important literary elements of science fictions
2. CLO2 Make a critical analysis and interpretation from the selected science fictions
3. CLO3 Apply the learnt literary knowledge to read science fictions of their own choice
4. CLO4 Give a presentation of their selected science fictions



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Section 3 Course Description and Implementation

1. Course Description

เรื่องสั้นและนวนิยายแนววิทยาศาสตร์ องค์ประกอบของวรรณกรรม และความสำคัญของวรรณกรรมวิทยาศาสตร์กับสังคม

Science short stories and science fictions, literary elements, and the effects of science fictions on society

2. Number of Hours Per Semester

Theory (hours)	Practice (hours)	Self-study (hours)
30 hours (2 hours x 15 weeks)	-	60 hours (4 hours x 15 weeks)

3. Number of Hours per Week for Individual Advice

Three hours per week for individual student's consultation. Students are advised to contact the instructor prior to the meeting either by phone or email.



Section 4: Development of the expected learning outcomes

1. A brief summary of the knowledge or skills expected to develop in students; the course-level expected learning outcomes (CLOs)
By the end of the course, students who successfully complete the course will be able to:
 1. CLO1 Explain important literary elements of science fictions
 2. CLO2 Make a critical analysis and interpretation from the selected science fictions
 3. CLO3 Apply the learnt literary knowledge to read science fictions of their own choice
 4. CLO4 Give a presentation of their selected science fictions

2. How to organize learning experiences to develop the knowledge or skills stated in number 1 and how to measure the learning outcomes

CLO	Teaching and learning experience management	Learning outcome measurements
CLO1: Explain important literary elements of science fictions	lecture, class discussion, exercise	written tests
CLO2: Make a critical analysis and interpretation from the selected science fictions	lecture, class discussion, exercise	written tests
CLO3: Apply the learnt literary knowledge to read science fictions of their own choice	class discussion	written tests discussions
CLO4: Give a presentation of their selected science fictions	presentation	presentation



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SECTION 5 LESSON PLAN AND EVALUATION

1. Lesson Plan

Week	Topic/Details	Number of hours		Teaching activities/ media	Instructors
		Classroom sessions	Practice sessions		
1	Introduction to the course, course objectives, teaching method and grading Defining literature	2	0	- Lecture - Discussion - Exercise	Dr. Somboon
2	Detective Story Plot and Setting	2	0	- Lecture - Discussion - Exercise	Dr. Somboon
3	Point of View Reading assignment: <i>Sherlock Holmes</i> (1)	2	0	- Lecture - Discussion - Exercise	Dr. Somboon
4	Characters Reading Assignment: <i>Sherlock Holmes</i> (2) Quiz on Sherlock Holmes (2)	2	0	- Lecture - Discussion - Written Test	Dr. Somboon
5	Symbols Reading Assignment: <i>The Murders in the Rue Morgue</i> (1)	2	0	- Lecture - Discussion - Exercise	Dr. Somboon
6	Reading Assignment: <i>The Murders in the Rue Morgue</i> (2)	2	0	- Lecture - Discussion - Exercise	Dr. Somboon
7	Reading Assignment: <i>Frankenstein</i> (1)	2	0	- Lecture - Discussion - Exercise	Dr. Somboon



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Week	Topic/Details	Number of hours		Teaching activi-	Instructors
8	Reading Assignment: <i>Frankenstein</i> (2) Quiz on <i>Frankenstein</i> Student's Presentation	2	0	- Lecture - Discussion - Written Test	Dr. Somboon
9	<i>Midterm Examination</i>				
10	Society and literature (1) Reading Assignment: <i>The Bicentennial Man</i>	2	0	- Lecture - Discussion - Exercise	Ms. Nithina
11	Society and literature (2) Reading Assignment: <i>Brave New World</i> (1)	2	0	- Lecture - Discussion - Exercise	Ms. Nithina
12	Reading Assignment: <i>Brave New World</i> (2)	2	0	- Lecture - Discussion - Exercise	Ms. Nithina
13	Reading Assignment: <i>Brave New World</i> (3) Quiz on <i>Brave New World</i>	2	0	- Lecture - Discussion - Exercise	Ms. Nithina
14	Reading Assignment: <i>Never Let Me Go</i> (1)	2	0	- Lecture - Discussion	Ms. Nithina
15	Reading Assignment: <i>Never Let Me Go</i> (2)	2	0	- Lecture - Discussion - Exercise	Ms. Nithina
16	Reading Assignment: <i>Never Let Me Go</i> (3) Quiz on <i>Never Let Me Go</i> Student's Presentation	2	0	- Lecture - Discussion - Written Test	Ms. Nithina
	Total	30	0		



2. Evaluation of the CLOs

2.1 Measurement and Evaluation of learning achievement

a. Formative assessment

1. In-class written tests
2. Presentation

b. Summative assessment

- (1) Tool and weight for measurement and evaluation

Learning Outcomes	Measurement Method	Weight (Percentage)	
CLO1 Explain important literary elements of science fictions	Written tests	20	20
CLO2 Make a critical analysis and interpretation from the selected science fictions	Written tests	20	20
CLO3 Apply the learnt literary knowledge to read science fictions of their own choice	Written tests	30	40
	Discussion	10	
CLO4 Give a presentation of their selected science fictions	Presentation	20	20
รวม		100	100

- (2) Measurement and evaluation

Judgment of the learning outcomes in the general education courses

Score (percent)	Symbol	Meaning
80-100	O	Outstanding
50-79	S	Satisfactory
0-49	U	Unsatisfactory

Students will obtain either O, S or U depending on their overall scores. O is given to those whose score is 80 percent of the full score or above; S is given to those whose



score ranges between 50 and 79 percent; and U is given to those whose score is below 50 percent. The pass scores are O and S.

Notes: O refers to “outstanding”, S “satisfactory”, and U “unsatisfactory”.

(3) Re-examination (if the course allows any)

None

3. Students' Appeal

Students can make an appeal against any judgements by contacting the staff of the Faculty of Liberal Arts on the first floor of Sirividya Building. There they will be required to fill in an Appeal Form. Once obtaining the form, the Faculty will hold a meeting to investigate the case and inform the student of the progress and results if applicable at this stage.

Section 6 Teaching Resources

1. Required Texts

1. Asimov, Isaac, *The Bicentennial Man*. 1976.
2. Doyle, Sri Arthur Conan, *The Return of Sherlock Holmes & His Last Bow*. 2005.
3. Huxley, Aldous, *Brave New World*. 1932.
4. Ishiguro, Kazuo, *Never Let Me Go*. 2005.
5. Poe, Edgar Allan, *The Murders in the rue Morgue*. 1841.
6. Shelly, Mary, *Frankenstein: Or The Modern Prometheus*. 1823.



Section 7 Evaluation and Improvement of Course Implementation

1. Strategy for Course Effectiveness Evaluation by Students

Students are requested to do online evaluation which comprises several topics pertaining to the course effectiveness and the instructor's teaching.

2. Strategy for Teaching Evaluation

In addition to the students' online evaluation stated above, all the instructors together with the English program executive board will hold a meeting to improve the pedagogy.

3. Teaching Improvement

As stated in the two items above.

4. Verification of Standard of Learning Outcome for the Course

There is a plan to verify the students' knowledge and performance by an oral test administered by other instructors of the English program of the Faculty of Liberal Arts, Mahidol University.

5. Revision Process and Improvement Plan for Course Effectiveness

It is subject to the students' evaluation and the consideration made by both the instructors and the executive board of the English program of the Faculty of Liberal Arts, Mahidol University.



Appendix

Relations between the course and the General Education

Table 1 Relations between CLOs and MU-GE Module LOs (numbers in the table = Sub LOs)

(Course Code) LAEN 280	MU-GE LOs								
	MLO1	MLO2	MLO3	MLO4	MLO5	MLO6	MLO7	MLO8	MLO9
CLO1 Explain important literary elements of science fictions	1.1 1.4			4.1					
CLO2 Make a critical analysis and interpretation from the selected science fictions	1.3			4.1					
CLO3 Apply the learnt literary knowledge to read science fictions of their own choice							7.2 7.3		
CLO4 Give a presentation of their selected science fictions			3.1	4.1					

Table 2 LOs that the course is responsible for

MU-GE LOs	Sub LOs
MLO1 Critical thinking & Analysis	1.1 Identify concepts related to the context of learned issues/topics 1.4 Collect, analyze, synthesize data, & evaluate information and ideas from multiple sources relevant to issues/problems
MLO3 Global perspectives & Ethics	3.1 Connect, synthesize and/or transform ideas or solutions within a particular framework
MLO4 Communication	4.1 Create an original explanation or solution to the issues/problems
MLO7 Global perspectives & Ethics	7.2 Guide & lead others 7.3. Apply principles of ethical leadership, collaborative engagement, and respect diversity



MU-GE Module LOs: At the end of studying MU-GE Module, successful students will be able to

Competences	LOs:	Sub LOs:
1. Critical thinking & Analysis: Use various sources and methods to collect and manage data & information and make a logical judgement and decision to arrive at a solution or problem solving relevant to real-world issues/problems	1. Create & construct an argument effectively as well as identify, critique and evaluate the logic & validity of arguments	1. Identify concepts related to the context of learned issues/topics 2. Demonstrate ICT literacy: use appropriate technology to find, evaluate, and ethically used information 3. Collect, analyze, synthesize data, & evaluate information and ideas from multiple sources relevant to issues/problems 4. Synthesize information to arrive at logical reasoning
	2. Select & use techniques and methods to solve open-ended, ill-defined and multi-step problems	1. Apply simple mathematical methods to the solution of 'real-world' problems 2. Make judgement & decision through correct analysis, inferences, and evaluations on quantitative basis and multiple perspectives 3. Apply concept of process management to solve problems
2. Creativity & Innovation: Show capability to initiate alternative/ new ways of thinking, doing things or solving problems to improve his/her or team solutions/ results by applying the evidence-based	3. Acquire specific strategies & skills within a particular discipline and adapt them to a new problem or situation	1. Connect, synthesize and/or transform ideas or solutions within a particular framework 2. Integrate alternative, divergent, or contradictory perspectives or ideas in the solution of a problem or question
	4. Create a novel or unique ideas, question, format, or product within a particular framework	1. Create an original explanation or solution to the issues/problems 2. Articulate the rationale for & consequences of his/her solution- identify opportunities & risk 3. Implement innovation through process management ap-



Competences	LOs:	Sub LOs:
process management concepts		proach
	5. Explore and situate oneself in a new physical environment and intellectual perspectives	<ol style="list-style-type: none"> 1. Demonstrate cultural competencies and adaptabilities in different working environments 2. Resort to multi-dimensional settings and tools to acquire knowledge and skills relevant to the problems or situation at hand
3. Global perspectives & Ethics: Express one's own ideas, interact with others, guide or lead team, as proper, as an ethically- engaged and responsible member of the society	6. act autonomously within context of relationships to others, law, rules, codes, and values	<ol style="list-style-type: none"> 1. Demonstrate an understanding of the principles upon which sustainable ecosystems and societies are built 2. Identify the national & global challenges associated with current economic, political, and social systems 3. Exhibit characteristics of responsible citizenship 4. Work effectively in diverse team (and multi-cultural settings)
	7. Apply ethical frameworks or principles and consider their implications in his/her decision-making and interacting with others	<ol style="list-style-type: none"> 1. Identify ethical issues and recognize different viewpoint and ideologies 2. Guide & lead others 3. Apply principles of ethical leadership, collaborative engagement, and respect diversity
4. Communication: Communicate effectively and confidently using oral, visual, and written language	8. Use a variety of means/ technologies to communicate effectively and purposefully; e.g., share information/ knowledge, express	<ol style="list-style-type: none"> 1. Communicate/present ideas effectively both oral & written forms to appropriate audience, such as verbal discussion with peers, and written project reports. 2. Prepare a purposeful oral presentation designed to increase knowledge, to foster understanding, or to promote change in the listeners' attitudes, values, beliefs, or behaviors.



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Competences	LOs:	Sub LOs:
	ideas, demonstrate or create individual & group product, etc.	<ol style="list-style-type: none">3. Prepare written documents to express ideas/solutions using different writing technologies, and mixing texts, data, and images.4. Demonstrate competence in a second or additional language
5. Collaboration and Working with team: Collaborate and work effectively with team to arrive at team goals	9. Collaborate and work effectively as part of a student group/team member to arrive at the team shared-goals in time	<ol style="list-style-type: none">1. Collaborate effectively with others as a responsible team member to achieve team goals in time2. Interact with others respectfully, either as a team member or leader, to create a productive teamwork