



รายวิชาศึกษาทั่วไป
ชื่อรายวิชา วิทยาศาสตร์ด้านเสียงพูด
รหัสวิชา ศศกอ 281

ระดับปริญญาตรี
คณะศิลปศาสตร์

Course Specification

Section 1 General Information

1. Course Code and Title

In Thai

ศศกอ 281 วิทยาศาสตร์ด้านเสียงพูด

In English

LAEN 281 The Science of Speech Sounds

2. Number of Credits

2 (2-0-4) Credits

(Theory 2 hrs; Practice 0 hrs; Self-study 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 ก้าวตัดสินใจ
- O - Originality สร้างสรรค์สิ่งใหม่
- L - Leadership ใฝ่ใจเป็นผู้นำ



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4. Course Coordinator and Instructor

4.1 Course Coordinator

Assistant Professor Dr. Rungpat Roengpitya
The English Program, Faculty of Liberal Arts
Tel. 086-318-3975 Email: rungpat@gmail.com

4.2 Instructor

Faculty Members of the English Program, Faculty of Liberal Arts

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 8 Month October Year 2019



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Section 2 Aims and Objectives

1. Aims of the Course

1. To describe fundamental concepts of the English sound and the sound system.
2. To analyze the English sound and the sound system.
3. To evaluate and link the English sound and the sound system to other fields of interests.
4. To express the leadership and teamwork.

2. Objectives of Course Development/Revision

2.1 Course Objectives

1. Students describe fundamental concepts of the English sound and the sound system;
 2. Students analyze the English sound and the sound system;
 3. Students evaluate and link the English sound and the sound system to other fields of interests;
- and
4. Students express the leadership and teamwork.

2.2 Course-level Learning Outcomes (CLOs)

By the end of the course, students are able to

1. CLO1 Describe fundamental concepts of the English sound and the sound system
2. CLO2 Analyze the English sound and the sound system.
3. CLO3 Evaluate and link the English sound and the sound system to other fields of interests.
4. CLO4 Express the leadership, teamwork, and responsibility.



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Section 3 Course Description and Implementation

1. Course Description

ความรู้เบื้องต้นเกี่ยวกับเสียงและระบบเสียงภาษาอังกฤษ และการประยุกต์ใช้ความรู้เกี่ยวกับเสียงและระบบเสียงกับศาสตร์อื่นๆ (สหสาขาวิชา)

Fundamental concepts of the English sound and the sound system and the application of the knowledge about sound and the sound system to other fields (interdisciplinary)

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

1 hr / week (through individual consultations)



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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 Describe fundamental concepts of the English sound and the sound system
 2. CLO2 Analyze the English sound and the sound system
 3. CLO3 Evaluate and link the English sound and the sound system to other fields of interests
 4. CLO4 Express the leadership and teamwork, and responsibility
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: Describe fundamental concepts of the English sound and the sound system	Lectures, activities in class, and assignments	Midterm examination
CLO2: Analyze the English sound and the sound system		Class assignments Midterm examination
CLO3: Evaluate and link the English sound and the sound system to other fields of interests	Lectures, activities in class, and assignments	Class assignments Final examination
CLO4: Express the leadership, teamwork, and responsibility	Group Works (activities in class and assignments)	Formative assessment / or participating in in-class activities



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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 Science of Speech Sounds; Phonetics and sub fields; and Articulatory Phonetics (including speech organs)	2	0	Lecture Activity in class Discussion	English Lecturers
2	Acoustic Phonetics and Speech Perception	2	0	Lecture Activity in class Discussion	English Lecturers
3	The International Phonetic Alphabets (IPA) The English Sound System	2	0	Lecture Activity in class Discussion	English Lecturers
4	English Consonants	2	0	Lecture Activity in class Discussion	English Lecturers
5	English Vowels	2	0	Lecture Activity in class Discussion	English Lecturers
6	Stress in English	2	0	Lecture Activity in class Discussion	English Lecturers
7	English Intonation Midterm Review	2	0	Lecture Activity in class Discussion	English Lecturers
8	Midterm Week				
9	Speech and Sciences	2	0	Lecture Activity in class Discussion	English Lecturers
10	Speech and Computer Sciences	2	0	Lecture Activity in class	English Lecturers



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Week	Topic/Details	Number of hours		Teaching activities/ media	Instructors
				Discussion	
11	Speech and Medical Sciences (Speech Disorders; Aging Society)	2	0	Lecture Activity in class Discussion	English Lecturers
12	Speech in Public	2	0	Lecture Activity in class Discussion	English Lecturers
13	Speech and Law	2	0	Lecture Activity in class Discussion	English Lecturers
14	Speech and Careers	2	0	Lecture Activity in class Discussion	English Lecturers
15	Speech and Music	2	0	Lecture Activity in class Discussion	English Lecturers
16	Wrap-up Final Examination Review	2	0	Lecture Activity in class Discussion	English Lecturers
17	Final Examination				
	Total	30	0		

2. Evaluation of the CLOs

2.1 Measurement and Evaluation of learning achievement

a. Formative assessment

1. Assignments in class



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b. Summative assessment

(1) Tool and weight for measurement and evaluation

Learning Outcomes	Measurement Method	Weight (ร้อยละ) (Percentage)	
CLO1: Describe fundamental concepts of the English sound and the sound system	Midterm Examination	15	15
CLO2: Analyze the English sound and the sound system	Class assignments	10	10
	Midterm Examination	15	15
CLO3: Evaluate and link the English sound and the sound system to other fields of interests	Class assignments	10	10
	Final Examination	30	30
CLO4: Express the leadership, teamwork, and responsibility	Formative Assessment/ or Activities in class (Group Works)	10	10
	Attendance & Participation	10	10
Total		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

Note: *Attendance at least 80% of the total class hours. Students with attendance below 80% of the total class hours without a legal and official medical certificate will not be permitted to take the final examination.

(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. Ladefoged, P. & Johnson, K. (2010). *A course in phonetics*. 6th Edition. Wadsworth Publishing.
2. Johnson, K. (1997). *Acoustic & auditory phonetics*. Great Britain. Blackwell Publishers.

2. Suggested Materials

1. Ladefoged, P. & Maddieson, I. (1996). *The sounds of the World's languages*. Great Britain. Blackwell Publishers.

3. Other Resources (if any)

None

Section 7 Evaluation and Improvement of Course Implementation

1. Strategy for Course Effectiveness Evaluation by Students

- 1.1 Students get a peer review on their assignments.
- 1.2 Students get a feedback from their instructor(s) on their assignments and tests.

2. Strategy for Teaching Evaluation

- 2.1 The instructor(s) gets a feedback from students at the end of the semester.

3. Teaching Improvement

- 3.1 The instructor(s) gets a feedback from students at the end of the semester and submits the TQF 5.



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4. Verification of Standard of Learning Outcome for the Course

The instructors verify students' achievement in accordance with the course learning outcomes from attendance, writing assignments, midterm examination and final examination.

5. Revision Process and Improvement Plan for Course Effectiveness

5.1 The instructors discuss the revision process and improvement plan at the team meetings prior to the beginning of the course and at the end of the semester.



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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) LALA 281	MU-GE LOs								
	MLO1	MLO2	MLO3	MLO4	MLO5	MLO6	MLO7	MLO8	MLO9
CLO1: Describe fundamental concepts of the English sound and the sound system	1.1								
CLO2: Analyze the English sound and the sound system	1.3			4.2					
CLO3: Evaluate and link the English sound and the sound system to other fields of interests		2.2				6.2		8.2	
CLO4: Express the leadership, teamwork, and responsibility	1.1						7.2	8.2	



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Table 2 LOs that the course is responsible for

MU-GE LOs	Sub LOs
MLO1 Critical thinking & Analysis: Create & construct an argument effectively as well as identify, critique and evaluate the logic & validity of arguments	1.1 Identify concepts related to the context of learned issues/topics 1.3 Demonstrate ICT literacy: use appropriate technology to find, evaluate, and ethically used information
MLO2 Creativity & Innovation:	2.2 Make judgement & decision through correct analysis, inferences, and evaluations on quantitative basis and multiple perspectives
MLO4 Communication: Create a novel or unique ideas, question, format, or product within a particular framework	4.2 Prepare a purposeful oral presentation designed to increase knowledge, to foster understanding, or to promote change in the listeners' attitudes, values, beliefs, or behaviors.
MLO6 Global perspectives & Ethics: act autonomously within context of relationships to others, law, rules, codes, and values	6.2 Identify the national & global challenges associated with current economic, political, and social systems
MLO7 Global perspectives & Ethics: Apply ethical frameworks or principles and consider their implications in his/her decision-making and interacting with others	7.2 Guide & lead others
MLO8 Use a variety of means/ technologies to communicate effectively and purposefully; e.g., share information/ knowledge, express ideas, demonstrate or create individual & group product, etc.	8.2 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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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 multistep 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 process management concepts	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 approach



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Competences	LOs:	Sub LOs:
	5. Explore and situate one-self in a new physical environment and intellectual perspectives	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	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	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 ideas, demonstrate or create individual & group product, etc.	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. 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



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Competences	LOs:	Sub LOs:
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