

MU.5 Course Report

Report on execution of the course: SIPS534 Medical Respiratory Physiology

Academic Year 2025

Section 1 General Information

- **Course Code and Title:** SIPS 534: Medical Respiratory Physiology
- **Course Type:** Compulsory, Electives, General Education
- **Course Coordinator:** Assoc. Prof. Sorachai Srisuma, MD, PhD
- **Lecturers:** 1. Assoc. Prof. Sorachai Srisuma, MD, PhD
2. Instructor Thaksaon Kittipassorn, MD, PhD
- **Credits:** 1 (1-0-2)
- **Academic Year / Semester:** 2025 / Semester 01

Section 2 The Course's Teaching and Learning Experience Management

2.1 Course learning outcomes (CLO) as stated in the course's MU.3 (course syllabus)

By the end of the course, students who successfully complete the course will be able to:

CLO 1	Apply the knowledge of lung ventilation, mechanics of breathing and pulmonary function tests to analyze normal mechanisms of the respiratory system, including common clinical abnormalities accurately.
CLO 2	Apply the knowledge of gas exchange and control of ventilation to analyze normal mechanisms of the respiratory system, including common clinical abnormalities accurately.
CLO 3	Participate in the discussion of medical respiratory physiological knowledge to solve problems about the respiratory system.
CLO 4	
CLO 5	
CLO 6	

2.2 Plan according to course learning outcomes

Teaching methods and evaluation methods according to result in the CLOs as specified in the course's MU.3

CLOs	Teaching Methods					Evaluation Methods			
	On site lecture	Asynchronous lecture	Practical	On site discussion	Written Examination	Inclass Q&A	Post-learning exercise	Performance by rubric
CLO1	✓	✓	✓	✓		✓	✓	✓	✓
CLO2	✓			✓		✓	✓	✓	✓
CLO3			✓	✓					✓
CLO4									
CLO...									

Section 3 Summary of the course management

3.1 Number of students

Number of students	Number		Remarks
	students	Percentage*	
1. Students who register in the course (information on the last day of adding/withdrawal)	3	100	
2. Students who withdraw the course (W)	0	0	
3. Students who remain in the course until the end	3	100	
4. Students who re-test or re-examination	0	0	
5. Students who re-register in the course (those who had failed the course)	0	0	

* Percentage when compared to the number of students who register in the course (1)

3.2 Grade distribution after remedial exam*

Grade Scale and Criteria: * **Passing Grade:** Students must achieve a grade of A-B and **pass all CLOs** to pass the course.

- **Non-passing Grade:** C-F.
- **Summative Exam:** 65% of total score.
- **Performance:** 35% (Laboratory and discussion classes).

a. The result by grade and there assigned score (A-F)

Information	Grades after remedial exam*										Total	
	A (4.0)	B+ (3.5)	B (3.0)	C+ (2.5)	C (2.0)	D+ (1.5)	D (1.0)	F (0.0)	X -	I -		
1. Number of students getting each grade	3	0	0	0	0	0	0	0	0	0	0	3
2. Percentage of students getting each grade (calculated from the total students registering in the course)	100	0	0	0	0	0	0	0	0	0	0	100
3. Number of students getting grades A-F	3	0	0	0	0	0	0	0				3
4. Weight of each grade multiplied by number of students getting the grade	12	0	0	0	0	0	0	0				12
5. Average score of the whole class	Calculation = result from no.4 / result from no.3										4.00	
Remark: the course's pass grade = 3.00												

- Average score:**
- The average score is between 2.5 and 3.5
 - The average score is below 2.5
 - The average score is above 3.5

b. The result by course-learning outcomes (CLOs)

Information	Result					Total
	CLO1	CLO2	CLO3	CLO4	CLO...	
1. Number of students passing each CLO	3	3	3			3
2. Percentage of students passing each CLO (calculated from the total students registering in the course)	100	100	100			100

3.3 Factors that caused the average score of abnormal grade

.....

.....

.....

Section 4 Course evaluation

4.1 Course evaluation made by students (please follow this link : <https://graduate.mahidol.ac.th/Programme-director/login.php>)

4.1.1 Course evaluation by students using an evaluation form

a. Students participation	Academic Year 2025
1. Number of students who register in the course	3
2. Number of students answering the evaluation form	3
3. Percentage of students answering the evaluation form (calculated from the number of all students registering in the course in each academic year)	100

Remarks: 202X* is the year of the MU.5 report.

b. Summary of students' satisfaction and dissatisfaction of the course from 5-level criteria survey:

- (1) Percentage of students who were satisfied-very satisfied : a sum of percentages of students who gave 4 and 5 points in the survey (satisfied and very satisfied)
- (2) Percentage of students who were dissatisfied-very dissatisfied : a sum of percentages of students who gave 1 and 2 points in the survey (very dissatisfied and dissatisfied)
- (3) Average satisfaction score from students: **4.89** / 5.00

Evaluation Topics	(1) Percentage of satisfied students Academic Years	(2) Percentage of dissatisfied students Academic Years	(3) Average satisfaction score Academic Years
	2025	2025	2025
1. Students' satisfaction of clearly defining course objectives and description	100	-	5.00
2. Students' satisfaction of the relevant topics and course contents	100	-	5.00
3. Students' satisfaction of the relevant course contents and teaching hours	66.67	-	4.33
4. Students' satisfaction of the available self-learning activities	100	-	4.67
5. Students' satisfaction of the applicable course content	100	-	5.00
6. Students' satisfaction of the adequate teaching resources e.g. journals, textbooks, network, etc.	100	-	5.00
7. Students' satisfaction of the appropriate teaching facilities e.g. classroom, audio-visual equipment, teaching media, etc.	100	-	5.00
8. Students' satisfaction of the suitable measurement and evaluation methods	100	-	5.00
9. Overall course satisfaction	100	-	5.00

The overall student satisfaction is at an Excellent level (4.89/5.00). Students highly commended the clarity of course objectives, the applicability of the content, and the quality of teaching facilities/resources (all scoring 5.00).

A minor area for consideration is the alignment between course content and teaching hours (4.33), which received a "Good" rating. This suggests that while the content is highly relevant, the workload or depth of topics relative to the allocated time could be further optimized.

c. Students' significant comments from the evaluation form

Students expressed full satisfaction with the overall teaching management and the practical utility of the course content. There were no negative remarks regarding the teaching media or evaluation fairness.

4.2 Stakeholder/External Feedback (Optional at Course Level):

Note any feedback from clinical supervisors, external experts, or employers regarding this specific course's output.

Section 5 Plans for the Course Improvement

5.1 Action plan for the next academic year

Problems & Obstacles <i>(From this semester)</i>	Proposed Improvement Activity <i>(Specific Action Plan)</i>	Expected Result <i>(Link to ELOs/CLOs)</i>
1. [Enter problem identified in the current semester]]	[Describe the specific action to be taken]	[Specify which CLO or ELO this improvement supports]
1. Insufficient in-class time for deep discussion due to heavy lecture content (Score: 4.33).	Implement a "Flipped Classroom" model: Provide 15-minute asynchronous video clips for foundational theory before class to reduce lecture time.	Enhance active learning and provide more time for clinical case analysis (Supports CLO 3).
2. Students need more opportunities for self-paced review of complex physiological mechanisms.	Upgrade self-learning materials: Develop interactive online quizzes and supplementary reading materials on the LMS.	Improve student performance in formative assessments (Supports CLO 1 & CLO 2).
3. Limited integration of modern technology in current practical sessions.	Digital Integration: Incorporate virtual simulation tools or digital lung function models during practical hours.	Better alignment with current medical technology trends as required by the program (Supports ELO requirements).

Course coordinator

Sign Date of report

Head of the Program / the Program responsible person.....

Sign Date of report