



Department of Respiratory Care

Course Specification of RC. Patient Assessment

XXXII. Course Description:

This course provides a comprehensive foundation in patient assessment techniques specifically tailored for respiratory care. Students will develop effective patient communication skills, learn to take a focused patient history, and master the measurement and interpretation of vital signs. The course covers the principles of physical examination, including respiratory, cardiovascular, and neurological assessments. Emphasis is placed on identifying cardiopulmonary symptoms, understanding clinical laboratory studies, and recognizing the unique assessment needs of neonatal, pediatric, and older adult patients. Students will also learn about sleep-disordered breathing and the principles of accurate patient assessment documentation.

V. Course Content:

Distribution of Semester Weekly Plan of Course Topics/Items and Activities.

A – Theoretical Aspect:

Order	Topics List	WeekDue	Contact Hours
1	Introduction to Patient Assessment and Communication before history taking “Preparing for the Patient Encounter”	1	2
2	Personal History	2	2
3	Vital signs and practicing history , sample	3	2
4	Cardiopulmonary Symptoms,	4	2
5	Fundamentals of Physical Examination,	5	2
6	Nutrition Assessment of Patients With Respiratory Disease,	6	2
7	Airway Pharmacology	7	2
8	Med-term exam	8	2
9	Respiratory Examination	9-10	4
10	Cardiovascular Examination	11	2
11	Neurologic Assessment of the Respiratory Patient	12	2
12	Clinical Laboratory Studies,	13	2
13	Assessment of the Neonatal and Pediatric Patient, and Assessment of the Older Patient,	14	2
14	Assessment of Sleep and Breathing, Documentation of the Patient Assessment,	15	2

16	Final Exam	16	2
Number of Weeks /and Units Per Semester		16	32

B - Practical Aspect: (if any)				
S	Tasks/ Experiments	Number of Weeks	contact hours	
1	<u>Lab 1: Patient Communication and Interviewing</u> • Practice communication techniques with role-playing scenarios. • Practice taking a focused respiratory history.	1	2	
2	<u>Lab 2: Vital Signs Measurement</u> • Practice accurate measurement of temperature, pulse, respirations, blood pressure, and SpO2. • Discuss factors affecting vital sign interpretation.	1	2	
3	<u>Lab 3: Cardiopulmonary Symptom Assessment</u> • Practice patient interviewing focusing on identifying cardiopulmonary symptoms.	1	2	
4	<u>Lab 4: Physical Examination Fundamentals</u> • Practice inspection, palpation, percussion, and auscultation techniques (non-respiratory focus).	1	2	
5	<u>Lab 5: Respiratory Examination</u> • Practice respiratory inspection, palpation, percussion, and auscultation on peers. • Identify normal breath sounds.	1	2	
6	<u>Lab 6: Cardiovascular Examination</u> • Practice cardiac auscultation, identifying normal heart sounds. • Practice assessing peripheral circulation and edema.	1	2	
7	<u>Lab 7: Neurological Assessment</u> • Practice basic neurological assessment relevant to respiratory patients.	1	2	
8	<u>Lab 8: Clinical Laboratory Studies Interpretation</u> • Review common laboratory studies used in respiratory assessment. • Practice interpreting lab values (simulated or case studies).	1	2	
9	<u>Lab 9: Assessment of Neonatal and Pediatric Patients</u> • Discuss developmental considerations in assessment. • Practice modified assessment techniques on infant/child simulators (if available).	2	2	
10	<u>Lab 10: Assessment of Older Adult Patients</u> • Discuss physiological changes with aging and their impact on assessment. • Practice assessment techniques with focus on geriatric considerations.	1	2	
11	<u>Lab 11: Sleep Assessment</u> • Practice recognizing signs and symptoms of common sleep disorders. • Discuss basic sleep assessment questionnaires.	1	4	
12	<u>Lab 12: Documentation of Patient Assessment</u> • Practice clear and concise documentation of assessment findings.	1	2	
13	<u>Lab 13: Case Studies Part 1</u> • Analyze case studies integrating assessment data and formulating differential diagnoses.	1	2	

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	Lab 14: Case Studies Part 2			
14	• Continue with complex case studies, emphasizing critical thinking and assessment skills.	1	2	
15	Final lab- Exam	1	2	
TOTAL		15	30	-
Number of Weeks /and Units Per Semester		15 weeks	1 Credits	-

Teaching strategies of the course: VI.

- 44. Lecture method
- 45. Practical Evaluation
- 46. Physical Assessment
- 47. Clinical exam
- 48. Brainstorming
- 49. Demonstration

Schedule of Assessment Tasks for Students during the Semester
Theoretical part

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	
1	Attendance and Activities	15 th week	5	5%	
2	Student assignment	5 th and 12 th week	5	5%	
3	Mid-term exam	7th or 8th week	10	10%	
4	Final exam	16 th -17 th week	40	40 %	
Total Theory Weight			60	60%	

Practical part

N o.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	
1	Attendance and Attitude	14 th week	5	5%	
2	Semester work	1 st and 14 th week	10	10%	
3	Case report	13 th -14 th week	5	5%	
4	Final exam (Practical)	15 th week	20	20%	
Total Practical Weight			40	40%	