

## *The Hebrew University of Jerusalem*

### *Syllabus*

## ***NURSING PATIENTS WITH PROBLEMS IN OXYGENATION - 91908***

*Last update 12-05-2015*

*HU Credits:* 5

*Degree/Cycle:* 1st degree (Bachelor)

*Responsible Department:* kaplan nursing school

*Academic year:* 2

*Semester:* 1st Semester

*Teaching Languages:* Hebrew

*Campus:*

*Course/Module Coordinator:* Mrs Ronit Achark

*Coordinator Email:* [ronitac@clalit.org.il](mailto:ronitac@clalit.org.il)

*Coordinator Office Hours:* By appointment

---

Teaching Staff:

Ronit Achrak

Course/Module description:

Course/Module description: The course focuses on the health and illness throughout the lifespan of a patient's with problems in oxygenation, from cardiovascular and respiratory disease. emphasizing physiology, emotional, familial, cultural social and ethical aspects.

Course/Module aims:

Course/Module aims

To establish the knowledge of patient's with problems in oxygenation during life cycle. based on the nursing process and health promotion.

Learning outcomes - On successful completion of this module, students should be able to:

Learning outcomes :

On successful completion of this module, students should be able to :

-identify' collect and estimate relevant signs & symptoms for patient's with cardiovascular and respiratory problems.

-design care plan.

-evaluate outcomes

all on the basis of the nursing process.

Attendance requirements(%):

100%

Teaching arrangement and method of instruction: Teaching arrangement and method of instruction

Frontal lectures

Self study

Course/Module Content:

Course/Module Content

Pneumonia:

- 
- Community- Acquired Pneumonia
  - Hospital- Acquired Pneumonia
  - Pneumonia in the Immunocompromised Host
  - Aspiration Pneumonia

*Pulmonary Tuberculosis*

*Pulmonary Embolism*

*Acute Respiratory Distress Syndrome*

*Acute Respiratory Failure*

*Acid-Base Disturbances:*

- Acute and Chronic Metabolic Acidosis
- Acute and Chronic Metabolic Alkalosis
- Acute and Chronic Respiratory Acidosis
- Acute and Chronic Respiratory Alkalosis
- Mixed Acid-Base Disorders

*Chronic conditions in the respiratory system:*

- Asthma
- COPD(Chronic Obstructive Pulmonary Disease)
- Chronic Bronchitis
- Emphysema
- Bronchiectasis

*artificial respiration:*

- Tracheostomy
- Mechanical Ventilation
- Negative Pressure Ventilation
- Positive Pressure Ventilation

*Cardiovascular:*

- Cardiovascular system.
- Cardiovascular system assessment.
- signs & symptoms.
- physical examination.
- Diagnostic tests

*pathological conditions in the Cardiovascular system:*

- Dysrhythmias:
  - Sinus Bradycardia
  - Sinus Tachycardia
  - Sinus Arrhythmia
  - Premature Atrial Complex
  - Atrial Flutter
  - Atrial Fibrillation
  - Premature Ventricular Complex
  - Supra-Ventricular Tachycardia

---

- Ventricular Tachycardia
- Ventricular Fibrillation
- Ventricular Asystole

Conduction abnormalities:

- First-degree Atrioventricular Block
- Second-degree Atrioventricular Block (Type I, Type II)
- Third- degree Atrioventricular Block ( Complete)

-Coronary Atherosclerosis

Hypertension

Angina Pectoris:

- Stable Angina Pectoris
- Acute Coronary Syndrome
- Unstable Angina Pectoris
- Myocardial Infarction

Valvular Disorders:

- Mitral Valve Prolapse
- Mitral Regurgitation
- Mitral Stenosis
- Aortic Regurgitation
- Aortic Stenosis

Infectious Disease of the Heart:

- Endocarditis
- Myocarditis
- Pericarditis

-Acute and Chronic Heart Failure

-Pulmonary edema

Vascular disorders and problems of peripheral circulation:

- Peripheral Arterial Occlusive Disease
- Thromboangitis Obliterans (Buerger's Disease)
- Aortoiliac Disease
- Aneurysms
- Arterial Embolism and Arterial Thrombosis
- Raynaud's Phenomenon
- Venous Thromboembolism
- Chronic Venous Insufficiency
- Leg Ulcers
- Varicose Veins
- Lymphatic Disorders

Shock:

- Hypovolemic shock
- Cardiogenic Shock
- Septic shock
- Neurogenic shock
- Anaphylactic Shock

---

Required Reading:

Smeltzer, S.C. & Bare, B.G. (2014). *Brunner and Suddarth's Textbook of Medical-Surgical Nursing*. (13th ed.). Lippincott Williams & Wilkins , New -York.  
Karch, A.M. (2008). *2008 Lippincott Nursing Guide*. Lippincott Williams & Wilkins , New -York.

Smeltzer, S.C. & Bare, B.G. (2010). *Brunner and Suddarth's Textbook of Medical-Surgical Nursing*. (12th ed.). Lippincott Williams & Wilkins , New -York.  
Karch, A.M. (2008). *2008 Lippincott Nursing Guide*. Lippincott Williams & Wilkins , New -York.

Additional Reading Material:

--

Course/Module evaluation:

End of year written/oral examination 90 %  
Presentation 0 %  
Participation in Tutorials 0 %  
Project work 0 %  
Assignments 0 %  
Reports 0 %  
Research project 0 %  
Quizzes 10 %  
Other 0 %

Additional information:

--