

Course Objectives/Course Outline
Spokane Community College

Course Title: Disease Management

Prefix and Course Number: RT 415

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Identify Prevalent Health Conditions among High Risk Patients
- Apply the Global Initiative for Chronic Obstructive Lung Disease (GOLD) standard in the management of COPD patients including:
 - Diagnosis
 - Classification of impairment
 - Therapeutic options for medications
 - Non-pharmacologic management
 - Use of pulmonary rehabilitation
 - Management of exacerbations
 - Management of hospital admissions
 - Discharge Planning
- Apply the national asthma education and prevention program for the management of asthma patients including:
 - Assessing the presence and severity of asthma
 - Control of environmental factors
 - Patient education including pathophysiology and pharmacology
 - Pharmacological management
 - Step-wise management of asthma
 - Management of special situations (i.e. pregnancy, exercised induced asthma, and surgeries)
 - Management of exacerbations
 - Management of hospital admissions
 - Discharge Planning
- Describe the use of the CardioSmart guidelines in the management of congestive heart failure (CHF) including:
 - Assessment and diagnosis
 - Use of ECG, echocardiography and ventriculography in the diagnosis of CHF
 - Medical management of CHF
 - Lifestyle changes in the management of CHF
 - Use of CPAP in the management of CHF and sleep apnea
 - Cardiac rehabilitation
- Describe the management of obstructive sleep apnea including:
 - Diagnosis via polysomnography and home monitoring
 - CPAP management
 - Dental devices
 - Surgical intervention
 - Sleep hygiene