

Welcome to PSL310H1S Clinical Reasoning, Draft Syllabus 2017-18

Course Overview: Improved clinical reasoning will reduce the current likelihood that most people will suffer at least one medical diagnostic error, errors that contribute to ~10% of patient deaths. Learn to apply strategies of critical thinking and principles of physiology to solve clinical cases. Shadow a healthcare professional.

Learning Objectives: By the end of the course, students will be able to demonstrate:

- enhanced critical and creative thinking, with application to clinical cases
- advanced understanding of physiological concepts, applied to pathophysiology
- understanding of ethical issues arising from patient care
- insight into successful inter-professional healthcare collaborative practice
- ability to communicate medical case-based critical reasoning

Classes: 3 hours/week

Course Outline:

<i>Week</i>	<i>Topic</i>	<i>Active learning</i>
<i>From Symptoms to Syndrome, Diagnosis, & Treatment</i>		
1	Critical Thinking Pretest;	
	Significance & Types of Diagnostic Errors	Analyze newsworthy diagnostic mistakes
2	Strategies & tools for solving clinical cases	Discuss guided case-based diagnoses
<i>Medical Mysteries (Guest Professors & Students)</i>		
3	Neuroscience e.g. back pain	Present evidence-based diagnoses
4	Endocrine e.g. metabolic	Present mystery cases from original literature
5	Cardiovascular e.g. heart attack	Present mystery cases from original literature
6	Midterm Exam	
<i>Interprofessional Health Care Practice</i>		
7	Interprofessional Clinical Practice - General	Explore shadowing ethics
	Principles and Application to Shadowing	
8	Shadowing a health care professional	Clinical placement
9	Shadowing a health care professional	Clinical placement
10	Rare Genetic Disease Diagnostics	Debrief shadowing placement
11	Shadowing poster session	Analyze interdisciplinary cases
<i>Clinical Reasoning To Improve Patient Outcomes</i>		
12	Future Clinical Reasoning	Rewrite a disorganized clinical case

Evaluation:

2%	Mandatory Critical Thinking Pretest
8%	In-class Active-learning Assignments
10%	Mystery Case Presentation & Write-up
20%	Individual Shadowing Project
25%	Midterm Exam
35%	Final exam