

National Taiwan University
School and Graduate Institute of Physical Therapy
Course Syllabus in Problem Based Learning in Physical Therapy / 2012

Website: <http://wecare.pt.ntu.edu.tw/moodle/>

Course Number: 408 32700 (01)

Course Name: Problem Based Learning in Physical Therapy

Course Credit: 2

Instructors: Meng-Yueh Chien (principal instructor, Rm. 308, Tel: 33668141,
mychien@ntu.edu.tw), Wei-Li Hsu

Teaching Assistant: TBA

Participants: junior students in the School of Physical Therapy

Class Time: Mondays 10:30-12:10

Discussion hour: by appointment

Classroom: PT practice room

Topic C: Seminar 4, Topic N: 204 ,

Topic P: 207, Topic O: Seminar 1

Course Description:

This course attempts to prepare students for a life-long learning ability by a group discussion and problem-based class format. The students are expected to ask appropriate clinical questions and search appropriate evidence-based medical information upon exposure to a clinical scenario. The decision making process and group cooperative dynamics are also emphasized.

General Objectives of the Course:

At the end of this semester, the students should be able to achieve the following goals upon presentation of a written clinical case scenario:

1. ask appropriate clinical questions
2. find relevant evidence from appropriate resources
3. solve the clinical problems by group discussion and collaboration
4. adopt an active learning attitude for life-long learning in the field of physical therapy

w k	date	topic		Teacher(s)
1	2/20	Orientation. What is PBL?		Chien
2	2/27	holiday		
3	3/5	Evidence-based practice (research design)/paper critique		Chien
4	3/12	Module 1 (see table below)	Scenario open	Hsu (A1), Chien (B1)
5	3/19		Student discussion	Hsu (A1), Chien (B1)
6	3/26		Scenario end	Hsu (A1), Chien (B1) / TA
7	4/2		holiday	
8	4/9		assessment	1 st hour: Hsu (A1), Chien (B1)
		Module 2	Scenario open	2 nd hour: Hsu (B2), Chien (A1)
9	4/16		Student discussion	Hsu (B2), Chien (A1) / TA
10	4/23		Scenario end	Hsu (B2), Chien (A1)
11	4/30		assessment	1 st hour: Hsu (B2), Chien (A1)
		Module 3	Scenario open	2 nd hour: Hsu (A2), Chien (B2)
12	5/7		Student discussion	Hsu (A2), Chien (B2) / TA
13	5/14		Scenario end	Hsu (A2), Chien (B2)
14	5/21		assessment	1 st hour Hsu (A2), Chien (B2)
		Module 4	Scenario open	2 nd hour Hsu (B1), Chien (A2)
15	5/28		Student discussion	Hsu (B1), Chien (A2) / TA
16	6/4		Scenario end	Hsu (B1), Chien (A2)
17	6/11		assessment	Hsu (B1), Chien (A2)
18	6/18	Final exam week		Hsu, Chien

topic	A1	B1	A2	B2
Module 1	orthopedic	cardiopulmonary	Pediatric	Neurology
Module 2	Cardiopulmonary	Pediatric	Neurology	Orthopedic
Module 3	Pediatric	Neurology	Orthopedic	Cardiopulmonary
Module 4	neurology	orthopedic	Cardiopulmonary	pediatric

Content :

Page 1 Opening scenario (Dx, chief complaints, history (present & past), social history depends)

Page 2 Physical examination, laboratory tests and imaging, environments

Page 3 PT Dx (evaluation 在 page 2, 3 間完成)

Page 4 Prognosis, goal, plan of care

The above information will be given in the first hour

Page 5 Interventions

Page 6 Outcomes

Page 7 Suggested learning materials, 2~5 references

Page 8 Possible learning issues only for tutors

Possible Learning Issues

- ◆ normal anatomy, physiology, kinesiology
- ◆ pathology
- ◆ medical diagnostic criteria (including lab.)
- ◆ risk factors
- ◆ radiology/imaging
- ◆ pharmacology
- ◆ dietary management
- ◆ physical therapy examination
- ◆ physical therapy interventions
- ◆ psycho-social issues, motivation, compliance
- ◆ prevention

References:

1. Guide to Physical Therapist Practice, APTA.
2. To be announced with each module.

Grading:

Class attendance and participation: 80; class website contribution: 20