

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 (02)

Course Name: Problem Based Learning in Physical Therapy

Course Credit: 2

Instructors: Li-Chiou Chen (principal instructor, Rm. 318, Tel: 33228135,  
lichiou@ntu.edu.tw), jjluh

Teaching Assistant: TBA

Participants: junior students in the School of Physical Therapy

Class Time: Mondays 10:30-12:10

Discussion hour: by appointment

Classroom: 正課前四堂課於公衛 214 電腦教室上課

Topic C: Seminar 4 (倉討), Topic N: 208(25 人教室),

Topic P: 207 (15 人教室), Topic O: Seminar 1 (大討)

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	Chen (A2), Luh (B2)
5	3/19		Student discussion	Chen (A2), Luh (B2)
6	3/26		Scenario end	Chen (A2), Luh (B2) / TA
7	4/2		holiday	
8	4/9		assessment	1 <sup>st</sup> hour: Chen (A2), Luh (B2)
		Module 2	Scenario open	2 <sup>nd</sup> hour: Chen (B1), Luh (A2)
9	4/16		Student discussion	Chen (B1), Luh (A2)/ TA
10	4/23		Scenario end	Chen (B1), Luh (A2)
11	4/30		assessment	1 <sup>st</sup> hour: Chen (B1), Luh (A2)
		Module 3	Scenario open	2 <sup>nd</sup> hour: Chen (A1), Luh (B1)
12	5/7		Student discussion	Chen (A1), Luh (B1)/ TA
13	5/14		Scenario end	Chen (A1), Luh (B1)
14	5/21		assessment	1 <sup>st</sup> hour Chen (A1), Luh (B1)
		Module 4	Scenario open	2 <sup>nd</sup> hour Chen (B2), Luh (A1)
15	5/28		Student discussion	Chen (B2), Luh (A1)/ TA
16	6/4		Scenario end	Chen (B2), Luh (A1)
17	6/11		assessment	Chen (B2), Luh (A1)
18	6/18	Final exam week		Chen, Luh

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