



Course Specification

Faculty: Health Sciences
Department: Physical Therapy
Programme: Doctor of Physical Therapy

Basic Information

Course Title: Evidence Based Practice

Course Code: DPT 605

Contact Hours:42

Lecture: 3

Credit: 3

Prerequisites: None.

Academic Level: first level

Term: Fall

1- Course Overall Aims:

This course prepares the student to gain knowledge about the concept of evidence based practice in order to make the best clinical decisions through integration of research evidence, clinical expertise, and patient values

2- Intended Learning Outcomes of the Course (ILOs), after completing the course students will be able to acquire the following:

Knowledge and Understanding skills
K1- Identify evidence based practice, related terms, and focus area of practice.
K2- Recognize the general steps and barriers of the evidence-based process.
Intellectual skills
I1- Distinguish between the three sources of evidence as well as their various components.
I2- Differentiate between background and foreground clinical questions.
I3- Formulate an appropriate clinical question
I4- Differentiate between various research designs based on their level of evidence.
I5- Select the appropriate research design according to your clinical question.
I6- Appraise the research evidence for applicability.
I7 Appraise the research evidence for quality.
Professional and Practical skills
P1- Conduct a search to find the best possible research evidence to answer your question.
General and Transferable skills
G1- Communicate effectively with lecturer and colleagues.
G2- Participate as an adult learner by sharing knowledge and skills with others in preparation for lifelong learning.



3- Weekly Distribution of Course Topics: (Theoretical, Clinical, Practical...)

Week No.	Course Topic	pages
Week No. 1	Introduction [Handout DPT 605.pdf] The three sources of evidence based practice. Evidence based practice. Definition of related terms. Evidence-based practice focus areas	P 1-6
Week No. 2	Application: [Handout DPT 605.pdf] To understand the evidence based practice. What are the sources of evidences?	p. 7-15
Week No. 3	General steps involved in evidence-based practice. [Handout DPT 605.pdf] [STEPS ON PUBMED.pdf] Factors affecting the process of evidence-based practice. The barriers to evidence-based and possible strategies for reducing them in clinical practice	p. 16-21
Week No. 4	Asking an answerable clinical question: [Handout DPT 605.pdf] [STEPS ON PUBMED.pdf] Types of clinical questions. Elements of clinical questions.	p. 22-30
Week No. 5	Application: [Handout DPT 605.pdf] Ask an answerable question.	p. 31-35
Week No. 6	The different forms of research design-evidence [Handout DPT 605.pdf]	P. 36-41
Week No. 7	Written exam. Level of evidence: [Handout DPT 605.pdf] Characteristics that get the evidence level high-Hierarchies of evidence. Selection of research design according to the clinical question	p. 42-44
Week No. 8	Searching for research evidence: [Handout DPT 605.pdf] Steps followed to search for best available evidence.	p. 45-96
Week No. 9	Application: [Handout DPT 605.pdf] Searching for research evidence: [STEPS ON PUBMED.pdf] Steps followed to search for best available evidence.	p. 45-96
Week No. 10	Appraise articles found for applicability: [Handout DPT 605.pdf] Determining applicability of clinical practice guidelines. [article to be appraised in class.pdf]	p. 45-96
Week No. 11	Acquire an evidence assessment [Handout DPT 605.pdf] Application: Determining applicability of clinical practice guidelines	p. 45-96
Week No. 12	Appraise articles found for quality and relevance: [Handout DPT 605.pdf] Determining quality of clinical practice guidelines.	p. 45-96
Week No. 13	Assignment Application: [Handout DPT 605.pdf] Determining quality of clinical practice guidelines	p. 45-96
Week No. 14	Interpreting results of clinical practice guidelines. [Handout DPT 605.pdf] Summarizing the clinical bottom line of clinical practice guidelines.	p. 45-96
Week No. 15	Final Written Exam.	



4-a Teaching and Learning Methods:

Illustrated lecture.
Assignment. [[RUBRIC acquire an evidence.pdf](#)]
Demonstration to acquire a search. [[STEPS ON PUBMED.pdf](#)]
Demonstration of an article appraise [[PPT DPT 605.pdf](#)] PAGES 193-226

4-b Teaching and Learning Facilities/ Materials:

Lecture hall
White board
Personal computer
Data show
Electronic Databases
Pubmed engine
Moodle platform
Microsoft Team application

5- Student Assessment Methods, Schedule and Grading:

Assessment	Type	To Assess	Week No.	Weighing of Assessment
1	Written exam	Knowledge, understanding, and intellectual skills	7	30 %
2	Acquire an evidence through PubMed engine [RUBRIC acquire an evidence.pdf]	Professional, and general transferable skills	11	20 %
3	Assignment/Ask a correct clinical questions [RUBRIC DPT 603 CLIN Q.pdf]	Intellectual skills	8-13	10 %
4	Final written exam	Knowledge, understanding, and intellectual skills	15	40%

6- List of References:

(a) Course Notes:

Handout. [[Handout DPT 605.pdf](#)]

(b) Essential Books (Textbooks):

Pitney, William A.

Qualitative Research in Physical Activity and the Health Professions / William A. Pitney, Jenny Parker. - United States : Human Kinetics, 2009.

Fetters, Linda.

Evidence Based Physical Therapy / Linda Fetters, Julie Tilson. - Philadelphia : F. A. Davis Company, 2012.

Jewell, Dianne V.



Guide to Evidence-Based Physical Therapy Practice / Dianne V. Jewell. - Massachusetts: Jones and Bartlett Publishers, Inc., 2008.

(c) Recommended Books:

Carter, Russell E.

Rehabilitation Research : Principles and Applications / Russell E. Carter, Jay Lubinsky, Elizabeth Domholdt. - 4th ed. - St Louis : Elsevier / Saunders, 2011.

Jewell, Dianne V.

Guide to Evidence-Based Physical Therapy Practice / Dianne V. Jewell. - Massachusetts : Jones and Bartlett Publishers, Inc., 2008.

Dornan, Tim.

Medical Education : Theory and Practice : Integrates Practice, Theory, Innovation and Research / Edited by Tim Dornan, Karen Mann, Albert Scherpbier, John Spencer. - Edinburgh : Churchill Livingstone, 2011.

(d) General References:

Students are advised to visit web pages related and which are not limited to:

<http://guides.dml.georgetown.edu/ebm/ebmclinicalquestions>

<https://uwyo.libguides.com/c.php?g=97822&p=631989>

<http://libguides.ohsu.edu/c.php?g=261503&p=3885206>