

University of Montana

ScholarWorks at University of Montana

University of Montana Course Syllabi

Open Educational Resources (OER)

Fall 9-1-2008

PT 679.11: Trends in Clinical Practice - Vestibular Rehabilitation

Steven Fehrer

University of Montana, Missoula, steven.fehrer@umontana.edu

Follow this and additional works at: <https://scholarworks.umt.edu/syllabi>

Let us know how access to this document benefits you.

Recommended Citation

Fehrer, Steven, "PT 679.11: Trends in Clinical Practice - Vestibular Rehabilitation" (2008). *University of Montana Course Syllabi*. 11991.

<https://scholarworks.umt.edu/syllabi/11991>

This Syllabus is brought to you for free and open access by the Open Educational Resources (OER) at ScholarWorks at University of Montana. It has been accepted for inclusion in University of Montana Course Syllabi by an authorized administrator of ScholarWorks at University of Montana. For more information, please contact scholarworks@mso.umt.edu.

PT 679 Trends in Clinical Practice Section 11
Vestibular Rehabilitation 1 credit

Instructor: Steve Fehrer, P.T., Ph.D.
107 Skaggs Building
x2429
steven.fehrer@umontana.edu

Class time: Thursday 11:10-12:00 in SB 025

Required Textbooks: none

Supplemental Resources:

Herdman, Susan J, Vestibular Rehabilitation, 3rd edition. F.A. Davis Company, 2007

O'Sullivan Susan B, Thomas J Schmitz, Physical Rehabilitation, 5th edition. F.A. Davis Company 2007. Chapter 24 Vestibular Disorders by M.C. Schubert.

Umphred, Darcy A, Neurological Rehabilitation, 5th edition, Mosby, 2007. Chapter 23 Balance and Vestibular Disorders by Leslie Allison and Kenda Fuller

Course Description:

Examination, evaluation and interventions by the physical therapist for management of the client with vestibular dysfunction. Focus will be on physical therapy management of benign positional vertigo, vestibular hypofunction, complete vestibular loss, and disorders affecting central vestibular pathways. The class will meet one hour per week and include lecture/discussion, video demonstration, practice of clinical testing and interventions, and student review of current literature. Student evaluation will consist of participation in class activities, demonstration of clinical skills, and writing of critically appraised topics (CATs).

Evaluation Methods:

The course grade will be based on class participation, demonstration of clinical skills, and writing of a critically appraised topic to be shared with the class. The demonstration of clinical skills will be through the oral presentation of case studies with students demonstrating examination and intervention activities to the group.

Grading Scale:

The grading criteria will follow the policy of the School of Physical Therapy and Rehabilitation Science (see student handbook) with a passing grade being a "C" and a 73 percent. All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and /or disciplinary sanction by the University. Any evidence of cheating or plagiarism will result in failure of the course. All students need to be familiar with the Student Conduct Code. The Code is available for review online at <http://www.umt.edu/SA/VPSA/index.cfm/page1321>.

Professional Behaviors: Professional behaviors are expected in the course. These include (but are not limited to): responsibility for one's own learning, completion of group and individual assignments in a timely manner, on time attendance unless excused, coming to class prepared, treating fellow students, staff, and faculty with respect, receiving and giving constructive criticism when appropriate. Cell phones should be turned off and put away. No text messaging during class. Lap top computers may be used to take notes and when appropriate, search the web for information pertaining to the topic being discussed in class. Other uses of personal computing devices in class are prohibited. Please refer to the "Generic Abilities" section in your student handbook. If a student persistently exhibits unprofessional behavior during class, they will be subject to disciplinary action.

Schedule:

8/28 Introduction, What is balance? Components of balance

9/4 Vestibular and cervical neuroscience

9/11 Vestibular dysfunction: BPPV assessment

9/18 BPPV Interventions

9/25 Vestibular dysfunctions –unilateral, bilateral, central

10/2 Vestibular hypofunction – physical therapy assessment tools

10/9 Vestibular hypofunction – physical therapy assessment tools

10/16 Vestibular hypofunction – physical therapy interventions

10/23 Vestibular hypofunction – physical therapy interventions

10/30 Complete vestibular loss – assessment and interventions

11/6 Vestibular dysfunctions not responsive to physical therapy management

11/13 Cervicogenic dizziness – What is it? Assessment

11/20 Cervicogenic dizziness – physical therapy interventions

11/27 Thanksgiving vacation – no class

12/4 Vestibular dysfunction and impact on balance

12/11 (Thursday) 10:10 AM -12:10 PM CAT BOX Final Exam SB 025

Objectives:

1. Describe central and peripheral sensory and motor components of the postural control system.
2. Describe commonly used clinical balance tests for physical therapy assessment.
3. Analyze the interaction of individual, task, and environmental factors that affect balance.
4. Demonstrate how to progress balance exercise programs to increase the use of, or compensate with, available sensory inputs.
5. Identify and differentiate vestibular symptom pathology from other manifestations of vertigo, dizziness, and disequilibrium.
6. Describe and demonstrate the examination procedures used to evaluate clients with vestibular dysfunction to establish a diagnosis, prognosis, and plan of care.
7. Describe and demonstrate the implementation of appropriate elements of the rehabilitation program for clients with vestibular dysfunction.