

**Jordan University of Science and Technology**  
**Faculty of Applied Medical Sciences**  
**Department of Allied Medical Sciences**  
**Semester two 2007**  
**Course Syllabus**

<b>Course Information</b>	
<b>Course Title</b>	Vestibular testing and rehabilitation
<b>Course Code</b>	AS 472
<b>Prerequisites</b>	HS 104
<b>Course Website</b>	
<b>Instructor</b>	Dr. Murad Al-Momani
<b>Office Location</b>	M5 Level -4 Office 2
<b>Office Phone #</b>	02-7201000/ 23766
<b>Office Hours</b>	Thursday (03:30-04:30) or by appointment (23766)
<b>E-mail</b>	<a href="mailto:malmomani@just.edu.jo">malmomani@just.edu.jo</a>
<b>Teaching Assistant(s)</b>	NA
<b>Course Description</b>	
<p>This course provides an introduction to vestibular anatomy and physiology, different vestibular testing strategies, the effect of different peripheral and central pathologies on the overall balance function and an overview of different rehabilitative treatment protocols.</p>	

<b>Textbook</b>	
<b>Title</b>	Handbook of Balance Function Testing
<b>Author(s)</b>	Jacobson, Newman and Kartush
<b>Publisher</b>	Singular Publishing Group, INC. San Diego
<b>Year</b>	1997
<b>Edition</b>	First
<b>Book Website</b>	
<b>Other references</b>	

<b>Assessment</b>		
<b>Assessment</b>	<b>Expected Due Date</b>	<b>Percentage</b>
<b>First Exam</b>	6 <sup>TH</sup> Week	25%
<b>Second Exam</b>	11 <sup>th</sup> week	25%
<b>Final Exam</b>	16 <sup>th</sup> week	40%
<b>Assignments</b>		

<b>Participation</b>		10%
<b>Attendance</b>		

<b>Course Objectives</b>	<b>Percentage</b>
1. knowledge of anatomy and physiology of vestibular system	30%
2. knowledge and application of different vestibular assessment skills	50%
3- knowledge and skills on different rehabilitative methodologies	20%

<b>Teaching &amp; Learning Methods</b>
Lectures, Data show (POWER POINT), demonstration, video tape presentations.

<b>Learning Outcomes:</b> Upon successful completion of this course, students will be able to		
1	To know anatomy and physiology of vestibular system.	Ch. 1
2	To know and apply the different vestibular assessment skills	Ch. 2
3	To know the different rehabilitative methodologies	Ch. 3

<b>Useful Resources</b>
Text books, video tapes and power point presentation.

<b>Course Content</b>		
<b>Week</b>	<b>Topics</b>	<b>Chapter in Textbook (handouts)</b>
1	Historical perspectives on balance function testing	Ch. 1-4
2	Practical anatomy and physiology of the vestibular system	Ch. 5-10
3	Principles and techniques of electro-oculography	Ch. 11-18

4	Interpretation of ocular motility testing	6
5	Technique, interpretation, and usefulness of positional and positioning testing	7
6	First exam	
7	Caloric testing	9
8	Caloric testing interpretation	9
9	Rotational testing	10
10	Interpretation of rotational testing	10
11	Second examination	
12	Posturographic testing	12
13	Interpretation of posturographic testing	12
14	Medical and surgical treatment of vertigo	15
15	Vestibular evoked potentials	19
16	Final examination	