

## **Course**

### **7.6.6 CLINICAL INSTRUMENTS FOR EVALUATING HEALTH - DEVELOPMENT AND IMPLEMENTATION (25 ects, HOIT0316)**

Clinical Instruments for Evaluating Health - Development and Implementation -course is designed for master and postgraduate students in nursing and health sciences.

<b>Person in charge</b>	Professor Riitta Suhonen, Coordinator Heli Virtanen and PhD Anna Axelin
<b>Aims</b>	The course is aimed to enable students to develop their knowledge and skills in developing, evaluating and implementing instruments into scientific research or clinical nursing practice and other health sciences.
<b>Content</b>	<p>The course (25 ects) contains three modules:</p> <p>I Module Orientation and Definition of an Instrument (5 ects)</p> <p>Module II Process of Instrument Development and Evaluating Existing Instruments (10 ects)</p> <p>Module III Process of Instrument Implementation (10 ects)</p>
<b>Information on Application</b>	Application deadline for spring semester 2012: 15 December 2011 to <a href="mailto:intnurse@lists.utu.fi">intnurse@lists.utu.fi</a>
<b>Internationality</b>	The course is international in its nature, involving international students
<b>Study period</b>	Spring term 2012

## **MODULE 1: Orientation and Definition of an Instrument (5 ects, HOIT 0317)**

<b>Person in charge</b>	Professor Riitta Suhonen and Doctoral student Heli Virtanen
<b>Aims</b>	Student is able to describe the concept of instrument, concept of measurement and different types of instruments.
<b>Content</b>	Concept of instrument Concept of measurement Measuring health Different types of instruments
<b>Teaching methods</b>	Independent reading (54 h, 2 ects) Lectures (12 h, 1 ects) Workshops (6 h, 2 ects)
<b>Course material</b>	Current literature and research reports.
<b>Evaluation</b>	Participation to lectures Participation to interactive workshops and discussions
<b>Time</b>	Spring term 2012

**MODULE 2: Process of Instrument Development and Evaluating Existing Instruments  
(10 ects, HOIT0318)**

<b>Person in charge</b>	Professor Riitta Suhonen and Doctoral student Heli Virtanen
<b>Aims</b>	Student is able to describe the process of concept analysis, how to operationalize the concept and process of instrument development. Student is able to locate the existing instruments, evaluate them diversely and modify the instrument. Student is able to understand the principals of designing and evaluation of a questionnaire. Student is able to design research plan for instrument development.
<b>Content</b>	Defining a clinical problem and concept analysis Methods for locating existing instruments Questionnaire design and pilot testing Validity and reliability testing Modification and equivalence
<b>Teaching methods</b>	Lectures with discussion (10 h, 1 ects) Workshops (15 h, 3 ects) Independent working and process writing (part A, 6 ects)
<b>Course material</b>	Current literature and research reports.
<b>Evaluation</b>	Active participation in lectures Interactive workshops and discussion Completion of a paper (part A)
<b>Time</b>	Spring term 2012

### **MODULE 3: Process of Instrument Implementation (10 ects, HOIT0319)**

**Person in charge** Professor Riitta Suhonen and Doctoral student Heli Virtanen

**Aims** Student is able to describe the process of instrument implementation. Student is able to evaluate the properties of an instrument. Student is able to understand the process of instrument implementation to scientific and practical use. Student is able to understand the economic evaluation of an instrument and its usability.

**Content** How to use an instrument?  
Scientific usability of an instrument  
Practical usability of an instrument  
Economic evaluation of an instrument and its usability

**Teaching methods** Online lectures (4 h, 1 ects)  
Online workshops including commenting of written papers (1 ects)  
Process writing (part B, 5 ects)  
Independent reading (1 ects)  
Seminars (20 h, 2 ects)

**Course material** Current literature and research reports.

**Evaluation** Active participation in lectures  
Online workshops with comments of papers  
Completion of a paper part B  
Presenting a paper at seminars and acting as an opponent  
Active participation in seminar discussions

**Time** Spring term 2012