



LUNDS UNIVERSITET

Medicinska fakulteten

Board of Rehabilitation Sciences Education, NRU

VMFN16 Rehabilitation in Hand Surgery

15 Higher education credits (ECTS)

Second cycle / A1N

General Information

Main field

Occupational Therapy and Physiotherapy

Subject

Hand rehabilitation.

First and foremost, the target groups are registered occupational therapists and physiotherapists who work at a hand surgery unit.

The course focuses on hand rehabilitation as an inter-professional subject area and on current research and development within the field, in an evidence-based perspective.

Type of course

The course is given as a commissioned course alternatively as a single subject course. The arrangement and contents of the course aim to enable more specialised study at advanced level (A). The course can be used in a Masters exam in one of the main fields Occupational Therapy and Physiotherapy.

The course complies with the regulations of the Higher Education Ordinance (SFS 1993:100 with later amendments).

Language of instruction

English

Learning Outcomes

Knowledge and understanding

The course aims to ensure that on completion of the course the student should be able to:

- independently discuss injury mechanisms and influencing factors in traumatic hand injuries and diseases in the hand,
- independently and systematically discuss how various rehabilitation interventions can support and improve function, activity and participation after traumatic hand injuries and diseases in the hand.

Skills and abilities

The course aims to ensure that on completion of the course the student should be able to:

- from a scientific standpoint identify, outline, analyse and evaluate function, activity and participation after traumatic hand injuries and diseases in the hand, especially methods of relevance for the own profession,
- from the own professional perspective - in collaboration with other professions - in a scientific and systematic way, express and evaluate methods for assessment, intervention and evaluation in rehabilitation of traumatic hand injuries and diseases in the hand.

Judgement and approach

The course aims to ensure that on completion of the course the student should be able to:

- independently identify and critically appraise research in hand rehabilitation,
- independently identify and critically appraise occupational therapy/physiotherapy praxis in hand rehabilitation in an evidence based - as well as in a theoretical perspective.

Course Content

- Functional anatomy
- Specific examination- evaluation and documentation methods within hand rehabilitation
- Rehabilitation following injuries and diseases which affect hand arm function, and which can cause limitations in the individual's ability to be active and participate
- Specific sections are devoted to multi-trauma, amputation injuries, peripheral nerve injuries and plexus injuries, tendon injuries, arthritis, fractures, joint injuries, hand diseases, postoperative pain problems
- Methods of treatment in hand surgery

Subjects examined

Completed assignments 15 higher educational credits

Instruction and Examination

Instruction

The course constitutes four course occasions over one year – in all 20 days. Teaching takes the form of lectures, literature reviews, self-studies and literature seminars. Teaching will promote the active search for knowledge and critical appraisal.

Examination

Completion of individual assignments, active participation in literature seminars and lectures. To pass the course 75% attendance is required. After absence individual written assignments, in addition to mandatory assignments, will be required.

Grades

Students will be awarded one of Pass or Fail in accordance with the Higher Education Ordinance (SFS 1993:100, chapter 6 §§ 18-19).

Students who have passed the course can receive a course certificate (15 ECTS) (SFS 1993:100, chapter 6 §20).

Students who lack the entry requirements can receive a certificate (130 hours Rehabilitation in Hand Surgery) after having passed the examination.

Admission Requirements

To be eligible for the course requires a degree from Occupational therapy or Physiotherapy programmes, equivalent to a Bachelor's degree (180 credits with 15 credits independent work), or the same level of qualification in Medical science.

Documented clinical experience from work at a hand surgery unit gives specific entry qualifications.

Literature

See specific list

Course Organiser

Hand Surgery / Department of Clinical Health Sciences Malmö, Lund University, Sweden
Course coordinators: Birgitta Rosén, Ingela Carlsson

Appendix: Literature

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15 higher educational credits

Nivå A1N

Mandatory literature

Clinical Assessment Recommendations. American Society of Hand Therapists. www.ASHT

Mackin E et al. *Rehabilitation of the hand and upper extremity*. St Louis, MO: Mosby; 2002. Selected chapters.

Scientific articles of relevance will be distributed before each course occasion.

Recommended literature

Herbert R et al. (eds.). *Practical evidence-based physiotherapy*. Foreword by Iain Chalmers, Edinburgh: Elsevier Butterworth-Heinemann; 2005.

International Classification of Functioning Disability and Health, WHO, Geneva, 2001.
(svensk version: www.sos.se sökord: icf)

Shumway-Cook A, Woollacott MH. *Motor control: theory and practical applications*. Baltimore: Lippincott Williams & Wilkins; 2001.

Townsend EA, Polatajko HJ. *Enabling occupation II*. Ottawa: CAOT (Canadian Association of Occupational Therapists) Publications: ACE; 2007.

Wilcock AA. *An occupational perspective of health*. Thorofare, NJ: SLACK; 2006.