Course syllabus for

Clinical course 2 - Clinical Virology, 7.5 credits

Klinisk kurs 2 - klinisk virologi, 7.5 hp
This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.
Please note that the course syllabus is available in the following versions:
Autumn2009 , Autumn2010 , Spring2013

Course code	1BA039
Course name	Clinical course 2 - Clinical Virology
Credits	7.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Biomedical Laboratory Science
Level	G2 - First cycle 2
Grading scale	Pass, Fail
Department	Department of Laboratory Medicine
Decided by	Programnämnden för Biomedicinska analytikerprogrammet
Decision date	2009-04-22
Revised by	Education committee LABMED
Last revision	2017-09-28
Course syllabus valid from	Spring 2013

Specific entry requirements

General entry requirements for higher education. In addition, special eligibility as stated in the programme syllabus for Biomedical laboratory science education, and completed courses from semesters 1-4, and Clinical course 1 from semester 5 in the Biomedical laboratory science education or the equivalent knowledge. Of these courses at least 105 credits from semesters 1-4 be approved, including the courses in Molecular Biology and Molecular Biological methodology and Microbiology - methodology and diagnostics. Students who have failed the clinical placement or the equivalent as a consequence of demonstrating deficiencies in knowledge, skills or attitude so seriously that the patient's safety or confidence in healthcare have been at risk is qualified for new placement only when the individual action plan has been completed.

Objectives

The aim of the course is that the student on a laboratory with a specialisation in clinical bacteriology should obtain occasion to test/apply theoretical and practical knowledge by in laboratory environment

study and use methods that occur on a laboratory with a specialisation in clinical virology. The aim is also that the course should contribute to development of occupational identity to reflecting profession exercise and to an understanding of the profession

Knowledge and understanding
The student should be able to:
- show knowledge about relevant methods in the area and about relevant ordinances.
- be able to acquire knowledge via different sources, evaluate this critically and use existing knowledge to describe new relations in a professional context.

Skills and abilities
The student should be able to:
- show ability to collect, process and interpret analysis critically - and research results, attentive and handle deviations and orally and account in writing for anddiscuss the results with concerned parties and in accordance with relevant ordinances document these
- show ability to teamwork and cooperation with other occupational groups
- show ability to review, assess and use relevant information critically and to discuss new facts, phenomena and issues with different groups and thereby contribute to development of the profession and the activities
- show ability to identify his need of additional knowledge and that continuous develop his skills.
- show ability independently to identify, formulate and solve problems and to carry out assignments within given periods, be able to handle technology to collect data and document these data systematic in a professional context.
- be able to analyse and process collected data a professional context

Judgement and approach
The student should be able to:
- show ability to within the main field of study for the education make assessments considering relevant scientific, social and ethical aspects,
demonstrate an understanding of the role of the own profession and importance for the health care

Content

The student should, during the entire course, participate in practical work under supervision in a Clinical Virological laboratory and there apply various methods and techniques that are used. The student should acquire knowledge of the steps in the laboratory process that may influence the result of the analysis. It implies that the student through practical work and theoretical studies acquire knowledge of analysis principles, technical performance and result assessment from a technical as well as medical point of view. The student should also acquire information about the quality assurance work that the laboratory conducts. The student should also acquire knowledge of the organisation and function of the laboratory in the health care. Literature studies should be included as an integrated part during the whole course. The student documents his/her work in a workbook that should be approved by the responsible supervisor in the laboratory. The workbook also constitutes a basis for the final examination.

The following parts are included:

Methods in Clinical Virology, practical training., 3 hp The student should during the whole course participate in practical work under supervision on a clinical virological laboratory and where obtain apply different methods and technologies that occur. **Methods in Clinical, theory., 3 hp** The student should get knowledge of the parts in the laboratory process that can influence the analytical result. It implies that the student through practical work and theoretical studies acquired knowledge of analysis principles, the technical carrying-out and result assessment **Integration of theory and practical training., 1.5 hp** The student should be able to show ability to collect, process and interpret analysis critically - and research results, notice and handle abnormalities and orally
and account in writing too and discuss the results with concerned parties and in accordance with relevant ordinances document these

Teaching methods

The student performs laboratory work in a laboratory with a specialisation in clinical virology and has access to an external expert supervisor in the laboratory and teachers from Karolinska Institutet during that period. The documentation of the work takes place continuously in the form of a workbook, and literature studies are conducted in an integrated manner under instruction of the supervisor/teacher

Examination

Compulsory attendance is required during the whole course. In case of absence, the supervisor in consultation with the teacher/director of studies at Karolinska Institutet determine how compensation should be done. The examination comprises several parts. The student's theoretical knowledge and technical ability is assessed by the responsible supervisor in the laboratory. The assessment provides a basis for grading Laboratory methodology, technically/practically and Laboratory methodology, theory and quality assurance. The workbook and the analysis report that the student writes during the course serves as the basis of the final examination of theory and practical skills (whole course). The final examination is oral and is made by a Karolinska Institutet appointed teacher in consultation with the responsible supervisor of the laboratory. The examiner may with immediate effect interrupt a student's clinical placement, or the equivalent, if the student demonstrates such serious deficiencies in knowledge, skills or attitudes that patient safety or patient confidence in healthcare is at risk. When a placement is interrupted like this, it implies that the student fails in the current part, and that a placement opportunity is expended. In such cases, an individual action plan should be set up showing which activities and examinations are required, before the student is given the possibility of a new placement in this course. A student who has failed the whole course has the opportunity to take the course once more. A student who has failed the final examination has the opportunity to five more examinations.

Transitional provisions

The course has been cancelled and was offered for the last time in the spring semester of 2013. Examination will be provided until the spring of 2018 for students who have not completed the course.

Other directives

Course evaluation will be carried out in accordance with the guidelines established by the Board of Education.

Literature and other teaching aids

Ringsrud, Karen Munson; Linné, Jean Jorgenson

Linné & Ringsrud's Clinical laboratory science : the basics and routine techniques

Turgeon, Mary L.

5. ed. /b [editor] Mary L. Turgeon : St. Louis, Mo. : Mosby Elsevier, cop. 2007 - xiv, 608 s.
ISBN:0-323-03412-8 LIBRIS-ID:10255799
Library search

Murray, Patrick R.; Rosenthal, Kenneth S.0 319233; Pfaller, Michael A.

Medical microbiology

6. ed. : Philadelphia : Mosby/Elsevier, cop. 2009 - x, 947 s.
ISBN:0-323-05470-6 LIBRIS-ID:11179944
Library search

Burnett, David; Crocker, John

The science of laboratory diagnosis

2. ed. : Chichester : Wiley, 2005 - 542 p.
ISBN:0-470-85912-1 (hbk.) LIBRIS-ID:9612133
Library search