



Faculty of Health, Science and Technology
Clinical Medicine

Syllabus

Clinical Training I

Course Code:	BLG003
Course Title:	Clinical Training I <i>Verksamhetsförlagd utbildning I (VFU I)</i>
Credits:	7.5
Degree Level:	Undergraduate level
Progressive Specialisation:	First cycle, has less than 60 credits in first-cycle course/s as entry requirements (G1F)

Major Field of Study:
BLA (Biomedical Laboratory Science)

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2026-01-30, and is valid from the Autumn semester 2026 at Karlstad University.

Prerequisites

30 credits completed in the Biomedical Scientist Programme, including the course Introduction to the biomedical scientist profession (4 credits). An equivalence assessment can be made.

Learning Outcomes

Upon completion of the course, students should be able to

Knowledge and understanding

- give an account of and apply applicable regulations regarding confidentiality, hygiene, and safety in clinical work,
- give an account of the pre-analytical process, including referrals, patient preparation, specimen collection, and specimen handling, and
- describe quality assurance in the laboratory process, from patient preparation to the release of results.

Competence and skills

- demonstrate the ability to independently perform capillary and venous blood sampling,
- perform basic point-of-care analyses in line with given instructions, and give an account of underlying theories and describe analytical principles,
- treat colleagues, clients, patients and their relatives in a professional and informative manner, using language that is functional and appropriate to the specific context, and
- orally present and report on a method or specific working procedure.

Judgement and approach

- critically evaluate and interpret analysis and examination results from both technical and medical perspectives,
- reflect upon how pre-analytical errors affect the quality of test results,
- demonstrate the ability to maintain a professional approach towards colleagues, patients and their relatives from an ethical, diversity, and gender-equality perspective, and
- reflect upon quality assurance, including how to handle deviations.

Content

- Patient interaction
- Specimen collection
- Specimen and referral handling
- Laboratory analyses and examinations, comprising analytical principles, technical procedures, result evaluation, and

quality assurance work, including documentation

- Collaboration with different professional groups in the workplace
- Individual work including the presentation of a method or specific working procedure

Reading List

See separate document.

Examination

Assessment is based partly on an evaluation of the clinical training and partly through an individual oral presentation. The assessment of clinical work during the placement is carried out in a discussion between the student and the supervising biomedical scientist. A validated assessment form is used during the discussion, which takes place at the end of the placement period.

A student who fails to obtain a Pass grade for the oral presentation will be given the opportunity for reassessment on at least two occasions within one year of the original examination date. A student who fails to obtain a Pass grade for the practical placement component will be given the opportunity for reassessment on one occasion as soon as organisational circumstances allow, but no later than within one year.

If students have a decision from Karlstad University entitling them to Targeted Study Support due to a documented disability, the examiner has the right to give such students an adapted examination or to examine them in a different manner.

Grades

One of the grades Pass with Distinction (VG), Pass (G), or Fail (U) is awarded in the examination of the course (in accordance with RB 104/25, Dnr C2025/658).

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional information

The local regulations for studies at the Bachelor's and Master's levels at Karlstad University stipulate the obligations and rights of students and staff.

A student who, in the examiner's judgement, will fail to obtain a Pass grade for the practical placement component on the grounds of grave and unprofessional skills and conduct that may cause injury may be required to immediately discontinue the practical training. As stipulated in the Higher Education Act Chapter 4, sect. 6, and SFS 2007:989, a student who suffers from mental disorder, abuses alcohol or drugs, or has been guilty of a serious offence endangering others or valuable property can be expelled until further notice. In such a case, the vice-chancellor files a complaint to the Expulsion Board of Higher Education, which investigates the matter and makes a decision. A decision of expulsion shall always entail that the student must discontinue the education until further notice. The Expulsion Board of Higher Education is responsible for all Swedish higher education institutions.