# Course description

<table>
<tr><td colspan="2" align="center"><strong>General information about the course</strong></td></tr>
<tr><td><strong>1. Major of study:</strong> medicine</td><td><strong>2. Study level:</strong> unified MSc<br><strong>3. Form of study:</strong> intramural</td></tr>
<tr><td><strong>4. Year:</strong> IV</td><td><strong>5. Semestr / Semester: VII</strong></td></tr>
<tr><td colspan="2"><strong>6. Course name:</strong> Clinical Analysis</td></tr>
<tr><td colspan="2"><strong>7. Course status:</strong> required</td></tr>
<tr><td colspan="2"><strong>8. Course contents and assigned learning outcomes</strong><br>
The subject aims is to approximate the issue of laboratory diagnostics and physical examination in the diagnosis of underlying diseases in patients. On labs and seminaries students will learn abou basic clinical symptoms of kidney diseases, electrolyte imbalances, acid-base homeostasis disorders, common endocrine diseases, diabetes as well as types of biological materials used in laboratory diagnostic and the rules for the collection of materials. In practical side, students will be taking case history in advanced level in patients with kidney diseases, electrolyte imbalances, acid-base homeostasis disorders, common endocrine diseases, diabetes and will planning laboratory investigators.<br>
Learning outcomes / reference to learning outcomes indicated in the standards<br>
For knowledge – student knows and understands: E.W7., E.W.40, E.W41<br>
For skills student can do: E.U1, E.U12, E.U16, E.U28, E.W29.<br>
For social competencies student is ready to</td></tr>
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<tr><td><strong>9. Number of hours for the course</strong></td><td align="center">45</td></tr>
<tr><td><strong>10. Number of ECTS points for the course</strong></td><td align="center">3</td></tr>
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**11. Methods of verification and evaluation of learning outcomes**

| Learning outcomes | Methods of verification | Methods of evaluation* |
|---|---|---|
| Knowledge | Grade credit – MCQ | Over 90% correct answers – grade A<br>75-90% correct answers – grade B<br>60-75% correct answers – grade C<br>Less than 60% correct answers – grade D |
| Skills | Observation<br>Practical exam | Active participation in labs and seminaries and 3 of 5 correct procedures on practical exam to pass |
| Competencies | Observation | * |

**\*** The following evaluation system has been assumed:

**Very good (5,0)** – the assumed learning outcomes have been achieved and significantly exceed the required level

**Better than good (4,5)** – the assumed learning outcomes have been achieved and slightly exceed the required level

**Good (4,0)** – the assumed learning outcomes have been achieved at the required level

**Better than satisfactory (3,5)** – the assumed learning outcomes have been achieved at the average required level

**Satisfactory (3,0)** – the assumed learning outcomes have been achieved at the minimum required level

**Unsatisfactory (2,0)** – the assumed learning outcomes have not been achieved