Course specification

<table>
<tr><td colspan="4">Study program: Special education and rehabilitation – Module of visual impairments, Sensorimotor disability</td></tr>
<tr><td colspan="4">Type and level of studies: Basic academic</td></tr>
<tr><td colspan="4">Title of the subject: ASSISTIVE TECHNOLOGY FOR PEOPLE WITH VISUAL IMPAIRMENTS</td></tr>
<tr><td colspan="4">Lecturer: Vesna J. Vučinić, Marija M. Anđelković</td></tr>
<tr><td colspan="4">Course status: Elective for the Module of Visual impairments and Sensorimotor disability</td></tr>
<tr><td colspan="4">ECTS: 6</td></tr>
<tr><td colspan="4">Prerequisites: There are no prerequisites</td></tr>
<tr><td colspan="4">Aim:
Introducing to students the assistive technology and training for practical use in educational and rehabilitation process of people with visual impairments.</td></tr>
<tr><td colspan="4">Outcomes:
Students' competence for practical use of assistive technology in different aspects of education and rehabilitation people with visual impairments.</td></tr>
<tr><td colspan="4">Content
Lectures:
Defining of assistive technology. Development of assistive technology in development of education for people with visual impairments. Compensatory importance of assistive technology for persons with visual impairments. Distribution and production principle. Measuring instruments and equipments for blind persons. Tools for tactile craft, maps and diagrams. Importance of tactile objects and illustrations, requirements and producing phases. Techniques and materials for the production of tactile objects. Optical and non-optical tools for low vision and persons with residual vision. Products for daily use. Orientation and mobility products. Braille products, traditional and new technologies. Computer technology for blind, voice output softer and games. Play tools and product for everyday use.
Practical work:
Creating and producing of non-optical products for children with visual impairments guided by the lecturer. Programming of assistive technology use coordinated with ophthalmological and other characteristics.</td></tr>
<tr><td colspan="4">Literature
1. Fajdetić, A., Nenadić, K. (2012). Prilagodba nastavnih sredstava slijepim i slabovidnim učenicima, Zagreb: Hrvatski savez slijepih.
2. Vučinić, V., Krstić, S., Stanimirov, K. (2007). Savremena tiflotehnička sredstva za slabovide, Beogradska defektološka škola, 2, 123-130.
3. Alekseev, O. L. (1992). Teoretičeskie osnovы učebnoй tiflotehniki, Ekaterinburg: Naučno-isledovatelьskiй institut defektologii Rossiйskoй Akademii obrazovaniя.
4. Radulov, V. (2004). Pedagogika na zritelno zatrudnenite (232-273). Sofija: Univerzitetsko iztdatelstvo „Sv. Kliment Ohridski“. ISBN 954-07-2108-3</td></tr>
<tr><td>Number of active classes per week:</td><td colspan="2">Lecture: 2</td><td>Practical work: 1</td></tr>
<tr><td colspan="4">Teaching methods:
Lectures, practical works, seminars, presentations</td></tr>
<tr><td colspan="4">Evaluation of knowledge (maximum score 100)</td></tr>
<tr><td>Pre obligations</td><td>Score</td><td>Final exam</td><td>Score</td></tr>
<tr><td>activities during the lectures</td><td>10</td><td>written exam</td><td>/</td></tr>
<tr><td>practical teaching</td><td>10</td><td>oral exam</td><td>50</td></tr>
<tr><td>midterm(s)</td><td>15</td><td></td><td></td></tr>
<tr><td>seminars</td><td>15</td><td></td><td></td></tr>
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