

| Course Title | Ultrasound |
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| Term | Term 3 |
| Inholland Faculty | Faculty of Health, Sports & Social Work |
| Course code | Erasmus Ultrasound (ERG) |
| Inholland location | Haarlem |
| Cycle | first cycle / undergraduate / Bachelor level |
| Number of ECTS | 20 |
| Language of instruction | English |
| Course content | <ul style="list-style-type: none"> • basic scanning skills • ultrasound examination upper abdomen • duplex carotid arteries • topographic anatomy • image recognition • sonographic appearance common pathology • ultrasound physics |
| Lecturer(s) | Coordinator: Geert Plug (geert.plug@inholland.nl) |
| Learning outcomes | <p>Have understanding of the normal anatomy and physiology of the organs and vascular system in the upper abdomen</p> <ul style="list-style-type: none"> • develop scanning skills in order to evaluate organs and vascular system in the upper abdomen by ultrasound and produce images of these • be able to perform a basic ultrasound-examination in a given case • recognize abnormal appearance of the organs and vascular system in the upper abdomen • have understanding of pathologic processes and their ultrasound appearances • apply knowledge of ultrasound physics in practical examination • further develop communicative en co-operative skills • have insight into the role of the ultrasound-technician in relation to general medical imaging |
| Mode of delivery, planned activities and teaching methods | <p>Problem based learning (PBL) which requires participation in:</p> <ul style="list-style-type: none"> • group meetings with problem tasks • lectures • role-play exercises and demonstrations • individual study |

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| | <ul style="list-style-type: none"> • project and report writing in English • oral presentations of the report in English <p>Skills lab training</p> <ul style="list-style-type: none"> • practical training on ultrasound equipment in the skills lab <p>Clinical outplacement (1 week max.)</p> <ul style="list-style-type: none"> • attending to ultrasound examinations • performing basic examinations in radiology |
| <p>Prerequisites and co-requisites (if applicable)</p> | <p>Course is only available for radiology students and radiation therapy students from institutes which are member of the Erasmus Radiography Group (ERG). Application only through ERG-coordinator of home-institute.</p> |
| <p>Recommended or required reading and/or other learning resources/tools</p> | <p>Books / reader available at host institution.</p> |
| <p>Assessment methods and criteria</p> | <p>attending to mandatory classes</p> <ul style="list-style-type: none"> • all assignments are handed in • presentations • clinical placement • practical and theoretical (anatomy, physics, pathology) exams • portfolio assessment <p>All items will be assessed and have to be passed.</p> |