

Faculty: Health, Sports and Social Work

Programme: Medical Imaging and Radiotherapy

Location: Haarlem

Course code	Course title and description	ECTS	Term	Prerequisites	Extra info
	<i>Erasmus Ultrasound</i>	20	3 (Jan – March)	3rd /4th year bachelor course in medical imaging or radiotherapy or nuclear medicine	Erasmus Radiography Group

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
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 • 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 (voluntary / 1 day in total when possible)</p> <ul style="list-style-type: none"> • attending to ultrasound and radiography examinations • performing basic examinations in radiology
Level of course	Bachelor year 3 - 4
Assessment methods	<ul style="list-style-type: none"> • attending to mandatory classes • 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>
Contact person	Geert Plug, geert.plug@inholland.nl 0031- (0)615279617
Prerequisites	3rd /4th year bachelor course in medical imaging or radiotherapy

Objective of the course	<ul style="list-style-type: none"> • have understanding of the normal anatomy and physiology of the organs and vascular system in the upper abdomen • develop scanning skills in order to evaluate organs and vascular system in the upper abdomen by ultrasound and produce images of these
	<ul style="list-style-type: none"> • 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 • has insight into the role of the ultrasound-technician in relation to general medical imaging
Special remarks	<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>
Recommended reading	<p>Books / reader available at host institution.</p>