		ECTS credits	Diagnostic service competences	Competences on managing and developing the quality of diagnostic services	Competences on developing and managing modern future diagnostic services	Learning competence	Ethical competence	Working community competence	Innovation competence	Multicultural competence	Technological competence
the student acquires	Research and development skills 15 cr										
	Research methods and tools	5 cr		Χ		Χ	Χ	Χ	Χ	Х	
Idovolop diognostic	Advanced Quantitative and Qualitative Research Method Skills (2nd year)	5 cr		Χ		Х	Х	Χ	Х	Х	
services.	Clinical radiography science HCDr	5 cr	Χ	Χ	Х	Х	Х	Χ	Х	Х	
	Clinical laboratory science HCDb	5 cr	Х	Х	Х	Х	Х	Х	Х	Х	
After passing semester	Advanced Master's studies in Radiography services 20 cr HCDr										
1	Developing patient centered and patient safe clinical radiography	5 cr	Х	Χ	Х	Х	Х	Χ	Х	Х	Χ
	Developing radiographic imaging, treatments and procedures in clinical	10 cr	Х	Χ	Х	Х	Х	Х	Х	Х	X
	Developing quality management and safety culture	5 cr	Х	Χ	Χ	Х	Х	Х	Х	Х	X
Sel vices.	Advanced Master's studies in Biomedical laboratory services 20 cr HCDb										
	Continuous Quality Improvement in the Clinical Laboratory	5 cr	Х	Χ	X	Χ	Χ	Χ	Χ	Χ	Χ
	New Methods in the Clinical Laboratory	5 cr	Х	Χ	Χ	Χ	Х	Χ	Х	Х	Χ
N	Mentoring and consultings in pre-analytics and clinical laboratory services	5 cr	Х	Χ	Χ	Χ	Х	Χ	Х	Х	Χ
E	Expertise in Biomedical Laboratory Science	5 cr	Х	Χ	Χ	Χ	Х	Χ	Х	Х	Χ
Semester three focuses	Service Innovations and Design	5 cr	Х	Χ	Х	Х	Х	Χ	Х	Х	Χ
	Financial Management and Accounting of Social and Health Care Organizations	5 cr	Χ	Χ	Χ	Χ	Х	Χ	Х	Х	Χ
	Human Resource Management in a Changing Environment	5 cr	Х	Χ	Χ	Х	Х	Х	Х	Х	X
	Managing artificial intelligence and robotics based services in health care diagnostics										
diagnostic services.		5 cr	Х	Х	Х	Х	Х	Χ	Χ	Х	Χ
student applies skills	Master's Thesis 30 cr										
acquired during previous	deation and planning of the Master's Thesis	10 cr	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ
semesters in responding	Implementation of the Master's Thesis	10 cr	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ
_	Report and assessment of the Master's Thesis	10 cr	Х	Х	Х	Χ	Χ	Χ	Х	Х	Х
field of diagnostic											
services in an academic	Elective studies 10 cr	10 cr	_	V	V	v	V	v	_	v	V
	Total 90 cr	10 cr	Χ	Χ	X	Χ	Χ	Χ	Χ	Х	X