

Studies Plan

Minor in Imaging 2023-24

Minor : Imaging

Courses			Exam Session	Exam	Credit
Language	Code	Section	Teacher		
E	Bioimage informatics BIO-410 SV		Sage Seitz	Sum	Written 4
E	Biomicroscopy I MICRO-561 SV		Altug	Win	Written 3
E	Biomicroscopy II MICRO-562 SV		Altug Seitz	Sum	During the semester 4
E	Computational photography CS-413 SC		Süsstrunk	Sum	During the semester 6
E	Computer vision CS-442 IN		Fua	Sum	Written 6
E	Deep learning for optical imaging MICRO-573 MT		Psaltis	Sum	During the semester 3
E	Electron microscopy: advanced methods MSE-450 MX		Alexander	Sum	Oral 3
E	Fundamentals of biomedical imaging PHYS-438 PH		Gruetter	Sum	Written 4
E	Fundamentals of biophotonics BIO-443 SV		Radenovic	Sum	During the semester 3
E	Image analysis and pattern recognition EE-451 EL		Bozorgtabar Thiran	Sum	During the semester 4
E	Image processing for Earth observation ENV-540 SIE		Tuia	Win	During the semester 4
E	Image processing I MICRO-511 MT		Unser Van De Ville	Win	Written 3
E	Image processing II MICRO-512 MT		Sage Unser Van De Ville	Sum	Written 3
E	Imaging optics MICRO-421 MT		Psaltis	Sum	During the semester 3
E	Lab in signal and image processing EE-490(f) EL		Thiran	Sum	During the semester 4
E	Mathematical foundations of signal processing COM-514 SC			Win	Written 6
E	Metrology MICRO-428 MT		Bruschini Charbon Fantner	Sum	Written 3
E	Metrology practicals MICRO-429 MT		Bruschini Charbon Fantner	Sum	During the semester 2
E	Neural signals and signal processing NX-421 NX		Micera Van De Ville	Win	Written 6
E	Optical detectors MICRO-523 MT		Besse	Win	Oral 3
E	Project in Imaging MICRO-489 MT		Profs divers	Sum Win	During the semester 8

<i>E</i>	Quantitative imaging for engineers <i>CIVIL-510</i>	<i>GC</i>	<i>Andò</i>	<i>Win</i>	<i>During the 3 semester</i>
<i>E</i>	Sensing and spatial modeling for earth observation <i>ENV-408</i>	<i>SIE</i>	<i>Berne Skaloud Tuia</i>	<i>Sum</i>	<i>Written 5</i>
<i>E</i>	Visual intelligence : machines and minds <i>CS-503</i>	<i>IN</i>	<i>Zamir</i>	<i>Sum</i>	<i>During the 6 semester</i>