IIA MODULES 2017-18

The Faculty Board of Engineering give notice that the modules prescribed for the examinations to be held in 2018, and the mode of examination for each module, will be as listed below. Candidates must offer 10 modules for examination. Candidates may offer only one module from any one of the sets. Students may not take more than two management modules.

Unit	Title	Set	Mode	Notes
	rgy, Fluid Mechanics, and Turbomachinery			
3A1	Fluid Mechanics I	IIAM8&L7	p	Double module
3A3	Fluid Mechanics II		p	Double module
3A5	Thermodynamics and Power Generation	IIAM7	р D	
3A6	Heat and Mass Transfer	IIAL3	р	
	trical Engineering	11/ 120	٢	
3B1	Radio Frequency Electronics	IIAM3	р	
3B2	Integrated Digital Electronics	IIAL3	р р	
3B3	Switch-Mode Electronics	IIAM2	р р	
3B3	Electric Drive Systems	IIAU2	р р	
3B5	Semiconductor Engineering	IIAL2	р р	
3B5	Photonic Technology	IIANTO	р р	
	hanics, Materials, and Design		μ	
3C1/3P1	Materials Processing and Design (Engineering)	IIAM5		
			p	
3C5	Dynamics	IIAM6	p	
3C6	Vibration	IIAL6	р	
3C7	Mechanics of Solids	IIAM4	p	
3C8	Machine Design	IIAM3	р	
3C9	Fracture Mechanics of Materials and Structures	IIAL5	р	
Group D: Civil	, Structural, and Environmental Engineering			
3D1	Geotechnical Engineering I	IIAM1	р	
3D2	Geotechnical Engineering II	IIAL1	p	
3D3	Structural Materials and Design	IIAM2	р	
3D3	Structural Analysis and Stability	IIAL2	р р	
3D5	Water Engineering	IIAM10	р р	
3D3	Finite Element Methods	IIAM10	р р	
3D7	Building Physics and Environmental Geotechnics	IIAL4	р р	
	agement and Manufacturing	IIANIS	Ρ	
-			-	
3E1	Business Economics	IIAM9	р	
3E2	Marketing	IIAM9	р	
3E3	Modelling Risk	IIAL8	р	
3E6	Organisational Behaviour	IIAL8	р	
3E10	Operations Management for engineers	IIAL8	р	
3E11	Environmental Sustainability & Business	IIAM9	р	
Group F: Infor	mation Engineering			
3F1	Signals and Systems	IIAM4	р	
3F2	Systems and Control	IIAL5	р	
3F3	Statistical Signal Processing	IIAM1	р	
3F4	Data Transmission	IIAL6	р	
3F7	Information Theory and Coding	IIAM5	р	
3F8	Inference	IIAL4	р	
Group G: Bioe				
3G1	Introduction to Molecular Bioengineering	IIAM7	р	
3G2	Mathematical Physiology	IIAL3	р	
3G3	Introduction to Neuroscience	IIAL2	р	
3G4	Medical Imaging and 3-D Computer Graphics	IIAL1	p	
3G5	Biomaterials	IIAM8	p	
Group M: Mult	tidisciplinary modules	-		
3M1	Mathematical Methods	IIAL10	р	
Group S: Mod	ules shared with Part IIB			-
4C4	Design Methods	IIAM7	р	Shared module
4D8	Pre-Stressed Concrete	IIAL9	p	Shared module. Alts with 4D16.
4M12	Partial Differential Equations and Variational Methods	IIAL9	p	Shared module
4M16	Nuclear Power Engineering	IIAL9	р	Shared module

IIA SETS MICHAELMAS TERM 2017-18

		those indicated as PM.	I	
Set	Unit	Title	Mode	Notes
	3A3	Fluid Mechanics II	р	Double module
IIAM1	3D1	Geotechnical Engineering I	p	
	3F3	Statistical Signal Processing	p	
	0.0		٢	
	202	Switch Made Flactronics	-	
IIAM2	3B3	Switch-Mode Electronics	р	
	3D3	Structural Materials and Design	р	
	_			
	3B1	Radio Frequency Electronics	р	
IIAM3	3C8	Machine Design	р	
	3D8	Building Physics and Environmental Geotechnics	р	
			•	
	3C7	Mechanics of Solids	р	
IIAM4	3F1	Signals and Systems	p	
	51.1	oignais and oystems	Р	
	0.04			
IIAM5	3C1	Materials Processing and Design	р	
-	3F7	Information Theory and Coding	р	
IIAM6	3C5	Dynamics	р	
			•	
	3A5	Thermodynamics and Power Generation	р	
IIAM7	3G1	Introduction to Molecular Bioengineering	p	
17 11/1	4C4			Sharod wi IIB
	404	Design Methods	р	Shared wi IIB
	1		I	I- · · · · · ·
IIAM8	3A1	Fluid Mechanics I	р	Double module
	3G5	Biomaterials	р	
	3E1	Business Economics	р	
PM Lectures IIAM9	3E2	Marketing	p	
	3E11	Environmental Sustainability & Business	p	
	3611	Linviolinental Sustainability & Business	þ	
	1			
PM Dble Lectures	3B5	Semiconductor Engineering	р	
IIAM10	3D5	Water Engineering	р	
			P	
IA SETS LE	ΝΤ ΤΕ	ERM 2017-18		
Set	Unit	Title	Mode	Notes
001				
	3A3	Fluid Mechanics II	р	Double module
IIAL1	3D2	Geotechnical Engineering II	р	
			۲	
	3G4	Medical Imaging & 3-D Computer Graphics	p	
		Medical Imaging & 3-D Computer Graphics	'	
	3G4		p	
	3G4 3B4	Electric Drive Systems	p	
IIAL2	3G4 3B4 3D4	Electric Drive Systems Structural Analysis and Stability	p	
	3G4 3B4	Electric Drive Systems	p	
	3G4 3B4 3D4	Electric Drive Systems Structural Analysis and Stability	p	
	3G4 3B4 3D4	Electric Drive Systems Structural Analysis and Stability	p	
IIAL2	3G4 3B4 3D4 3G3 3A6	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer	р Р Р Р Р	
	3G4 3B4 3D4 3G3 3A6 3B2	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics	р Р Р Р Р Р	
IIAL2	3G4 3B4 3D4 3G3 3A6	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer	р Р Р Р Р	
IIAL2	3G4 3B4 3D4 3G3 3A6 3B2 3G2	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology	P P P P P P P P	
IIAL2	3G4 3B4 3D4 3G3 3A6 3B2 3G2 3D7	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods	р Р Р Р Р Р Р Р	
IIAL2 IIAL3	3G4 3B4 3D4 3G3 3A6 3B2 3G2	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology	P P P P P P P P	
IIAL2 IIAL3	3G4 3B4 3D4 3G3 3A6 3B2 3G2 3D7	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods	р Р Р Р Р Р Р Р	
IIAL2 IIAL3 IIAL4	3G4 3B4 3D4 3G3 3A6 3B2 3G2 3D7	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods	р Р Р Р Р Р Р Р	
IIAL2 IIAL3	3G4 3D4 3G3 3G3 3A6 3B2 3G2 3G2 3D7 3F8 3C9	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures	р Р Р Р Р Р Р Р	
IIAL2 IIAL3 IIAL4	3G4 3B4 3D4 3G3 3A6 3B2 3G2 3D7 3F8	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference	р Р Р Р Р Р Р Р	
IIAL2 IIAL3 IIAL4	3G4 3D4 3G3 3G3 3A6 3B2 3G2 3G2 3D7 3F8 3C9 3F2	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control	р Р Р Р Р Р Р Р Р	
IIAL2 IIAL3 IIAL4	3G4 3D4 3G3 3A6 3B2 3G2 3G2 3G2 3G2 3F8 3C9 3F2 3C6	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration	р Р Р Р Р Р Р Р Р	
IIAL2 IIAL3 IIAL4 IIAL5	3G4 3D4 3G3 3G3 3A6 3B2 3G2 3G2 3D7 3F8 3C9 3F2	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control	р Р Р Р Р Р Р Р Р	
IIAL2 IIAL3 IIAL4 IIAL5	3G4 3B4 3D4 3G3 3A6 3B2 3G2 3G2 3G2 3G2 3F8 3C9 3F2 3C6 3F4	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission	р Р Р Р Р Р Р Р Р	
IIAL2 IIAL3 IIAL4 IIAL5 IIAL6	3G4 3D4 3G3 3A6 3B2 3G2 3G2 3G2 3G2 3F8 3C9 3F2 3C6	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration	р Р Р Р Р Р Р Р Р	Double module
IIAL2 IIAL3 IIAL4 IIAL5	3G4 3B4 3D4 3G3 3A6 3B2 3G2 3G2 3G2 3G2 3F8 3C9 3F2 3C6 3F4	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission	р Р Р Р Р Р Р Р Р Р	Double module
IIAL2 IIAL3 IIAL4 IIAL5 IIAL6	3G4 3D4 3G3 3A6 3B2 3G2 3G2 3G2 3G2 3G2 3F8 3C9 3F2 3C6 3F4 3A1	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission Fluid Mechanics I	р Р Р Р Р Р Р Р Р Р Р	Double module
IIAL2 IIAL3 IIAL4 IIAL5 IIAL6	3G4 3B4 3G3 3G3 3A6 3B2 3G2 3G2 3G2 3G2 3G2 3G2 3G2 3G2 3G2 3G	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission Fluid Mechanics I Photonic Technology	р Р Р Р Р Р Р Р Р Р Р Р	Double module
IIAL2 IIAL3 IIAL4 IIAL5 IIAL6 IIAL7	3G4 3B4 3G3 3G3 3A6 3B2 3G2 3G2 3G2 3F8 3C9 3F8 3F2 3F2 3F2 3F4 3A1 3B6 3E3	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission Fluid Mechanics I Photonic Technology Modelling Risk	р Р Р Р Р Р Р Р Р Р Р Р Р	Double module
IIAL2 IIAL3 IIAL4 IIAL5 IIAL6 IIAL7	3G4 3B4 3G3 3G3 3A6 3B2 3G2 3G2 3G2 3G2 3F8 3C9 3F8 3F2 3F2 3F2 3F2 3F4 3F4 3F4 3E6	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission Fluid Mechanics I Photonic Technology Modelling Risk Organisational Behaviour	р Р Р Р Р Р Р Р Р Р Р Р Р	Double module
IIAL2 IIAL3 IIAL4 IIAL5 IIAL6 IIAL7	3G4 3B4 3G3 3G3 3A6 3B2 3G2 3G2 3G2 3F8 3C9 3F8 3F2 3F2 3F2 3F4 3A1 3B6 3E3	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission Fluid Mechanics I Photonic Technology Modelling Risk	р Р Р Р Р Р Р Р Р Р Р Р Р	Double module
IIAL2 IIAL3 IIAL4 IIAL5 IIAL6	3G4 3B4 3G3 3G3 3A6 3B2 3G2 3G2 3G2 3G2 3F8 3C9 3F8 3F2 3F2 3F2 3F2 3F4 3F4 3F4 3E6	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission Fluid Mechanics I Photonic Technology Modelling Risk Organisational Behaviour	р Р Р Р Р Р Р Р Р Р Р Р Р	Double module
IIAL2 IIAL3 IIAL4 IIAL5 IIAL6 IIAL7	3G4 3B4 3G3 3G3 3A6 3B2 3G2 3G2 3G2 3G2 3F8 3C9 3F8 3F2 3F2 3F2 3F2 3F4 3F4 3F4 3E6	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission Fluid Mechanics I Photonic Technology Modelling Risk Organisational Behaviour	р Р Р Р Р Р Р Р Р Р Р Р Р	Double module
IIAL2 IIAL3 IIAL4 IIAL5 IIAL6 IIAL7 M Lectures IIAL8	3G4 3B4 3D4 3G3 3A6 3B2 3G2 3G2 3G2 3F8 3C9 3F8 3F2 3F2 3F2 3F2 3F4 3F2 3F4 3F4 3E6 3E10	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission Fluid Mechanics I Photonic Technology Modelling Risk Organisational Behaviour Operations Management for engineers	р Р Р Р Р Р Р Р Р Р Р Р Р Р	Double module
IIAL2 IIAL3 IIAL4 IIAL5 IIAL6 IIAL7 M Lectures IIAL8 IIAL10	3G4 3B4 3D4 3G3 3A6 3B2 3G2 3G2 3G2 3F8 3F8 3F8 3F8 3F2 3F2 3F2 3F4 3F2 3F4 3F4 3F4 3E6 3E10 3E10	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission Fluid Mechanics I Photonic Technology Modelling Risk Organisational Behaviour Operations Management for engineers Mathematical Methods	р Р Р Р Р Р Р Р Р Р Р Р Р Р	Double module
IIAL2 IIAL3 IIAL4 IIAL5 IIAL6 IIAL7 M Lectures IIAL8	3G4 3B4 3D4 3G3 3A6 3B2 3G2 3G2 3G2 3G2 3F8 3F8 3F8 3F8 3F8 3F2 3F2 3F4 3F2 3F4 3F4 3F4 3F4 3E6 3E10 3E10 3E10 3E10 3E10 3E10 3E10 3E10	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission Fluid Mechanics I Photonic Technology Modelling Risk Organisational Behaviour Operations Management for engineers Mathematical Methods with IIB	р Р Р Р Р Р Р Р Р Р Р Р Р Р	
IIAL2 IIAL3 IIAL4 IIAL5 IIAL6 IIAL7 M Lectures IIAL8 IIAL10 roup S – modules	3G4 3D4 3G3 3G3 3G2 3G2 3G2 3G2 3G2 3G2 3G2 3G2	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission Fluid Mechanics I Photonic Technology Modelling Risk Organisational Behaviour Operations Management for engineers Mathematical Methods Mathematical Methods	р р р р р р р р р р р р р р	Shared wi IIB. Alternates with 4D16.
IIAL2 IIAL3 IIAL4 IIAL5 IIAL6 IIAL7 M Lectures IIAL8 IIAL10	3G4 3B4 3D4 3G3 3A6 3B2 3G2 3G2 3G2 3G2 3F8 3F8 3F8 3F8 3F8 3F2 3F2 3F4 3F2 3F4 3F4 3F4 3F4 3E6 3E10 3E10 3E10 3E10 3E10 3E10 3E10 3E10	Electric Drive Systems Structural Analysis and Stability Introduction to Neuroscience Heat and Mass Transfer Integrated Digital Electronics Mathematical Physiology Finite Element Methods Inference Fracture Mechanics of Materials & Structures Systems and Control Vibration Data Transmission Fluid Mechanics I Photonic Technology Modelling Risk Organisational Behaviour Operations Management for engineers Mathematical Methods with IIB	р Р Р Р Р Р Р Р Р Р Р Р Р Р	