

Biomedical Engineering class availability 2020/21



CODE	TITLE	CREDITS	LEVEL	UG/PG/CE	SEMESTER	EXCHANGE	ELECTIVE	NOTES
BE100	Anatomy And Physiology For Biomedical Engineers	20	Level 1	Undergraduate	Full Year 2020/2021	Y	PE	
BE101	Biomedical Engineering	10	Level 1	Undergraduate	Semester 1 2020/21	Y	PE	
BE103	Analytical And Numerical Methods In Biomedical Engineering	20	Level 1	Undergraduate	Full Year 2020/2021	Y	NE	
BE104	Foundations For Interprofessional Practice	20	Level 1	Undergraduate	Semester 2 2020/21	N	NE	Delivered off site by another University
BE105	Cell Biology 1	10	Level 1	Undergraduate	Semester 2 2020/21	Y	PE	
BE106	Anatomy And Physiology For Speech And Language Pathology	10	Level 1	Undergraduate	Full Year 2020/2021	N	PE	Delivered to Speech and Language Pathology students only
BE201	Biomechanics Of Human Movement - Theory	20	Level 2	Undergraduate	Full Year 2020/2021	Y	PE	Delivered to Sports Engineering students
BE202	Biomechanics Of Human Movement - Measurement	20	Level 2	Undergraduate	Full Year 2020/2021	Y	NE	Delivered to Sports Engineering students
BE203	Cleanliness Champions For The Nhs	10	Level 2	Undergraduate	Semester 2 2020/21	Y	EO	
BE204	Mechanics Of Materials	10	Level 2	Undergraduate	Semester 2 2020/21	Y	PE	Semester 2 of BE208
BE205	Fluid Mechanics In Biomedical Engineering	10	Level 2	Undergraduate	Semester 1 2020/21	Y	PE	
BE206	Introduction To Biomechanics	10	Level 2	Undergraduate	Semester 1 2020/21	Y	PE	Semester 1 of BE208
BE207	Human Cell Biology 2	10	Level 2	Undergraduate	Semester 2 2020/21	Y	PE	
BE208	Statics And Dynamics In Biomedical Engineering	20	Level 2	Undergraduate	Full Year 2020/2021	Y	PE	Combines BE204 and BE206
BE300	Biomedical Materials	20	Level 3	Undergraduate	Semester 2 2020/21	Y	NE	
BE301	Physiological Systems In Health And Disease	20	Level 3	Undergraduate	Semester 2 2020/21	Y	NE	
BE302	Practical Biomechanics	20	Level 3	Undergraduate	Semester 1 2020/21	Y	NE	
BE304	Introduction To Clinical Gait Analysis	20	Level 3	Undergraduate	Semester 2 2020/21	Y	EO	
BE400	Advanced Topics In Human Movement	20	Level 4	Undergraduate	Semester 1 2020/21	Y	NE	Delivered to Sports Engineering students
BE401	Biomedical Electronics	10	Level 4	Undergraduate	Semester 1 2020/21	Y	NE	Level 4 version of BE909
BE402	Professional Studies In Biomedical Engineering	10	Level 4	Undergraduate	Semester 1 2020/21	Y	NE	Subclass of BE428, level 4 version of BE918
BE403	Research Methods In Biomedical Engineering	10	Level 4	Undergraduate	Semester 1 2020/21	Y	NE	Subclass of BE428, level 4 version of BE919
BE404	Biomedical Instrumentation	10	Level 4	Undergraduate	Semester 1 2020/21	Y	NE	Level 4 version of BE908
BE405	Sports Injury And Rehabilitation	20	Level 4	Undergraduate	Semester 2 2020/21	Y	PE	
BE406	Biomedical Engineering Project	40	Level 4	Undergraduate	Full Year 2020/2021	N	NE	<u>4th year project class for BME students</u>
BE407	Orthotic Management Of Neurological Conditions	20	Level 4	Undergraduate	Semester 2 2020/21	N	NE	
BE408	Hip, Knee And Ankle Disarticulation Prosthetics	20	Level 4	Undergraduate	Semester 2 2020/21	N	NE	
BE409	Management Of The Diabetic Foot	20	Level 4	Undergraduate	Semester 2 2020/21	N	NE	
BE410	Lower Limb Prosthetic Design	20	Level 4	Undergraduate	Semester 2 2020/21	N	NE	Level 4 versions of BE929 to BE937; significant P&O prior learning required. No
BE411	Upper Limb Prosthetics	20	Level 4	Undergraduate	Semester 2 2020/21	N	NE	exchange unless on P&O degree
BE412	Clinical Governance	20	Level 4	Undergraduate	Semester 2 2020/21	N	NE	
BE413	Orthotic Management Of Spinal Deformity	20	Level 4	Undergraduate	Semester 2 2020/21	N	NE	
BE414	Paediatric Prosthetics	20	Level 4	Undergraduate	Semester 2 2020/21	N	NE	
BE415	Clinical Gait Analysis	20	Level 4	Undergraduate	Semester 2 2020/21	Y	NE	Level 4 version of BE304, delivered to P&O students
BE416	Clinical And Sports Biomechanics	10	Level 4	Undergraduate	Semester 2 2020/21	Y	PE	Level 4 version of BE904
BE417	Biosignal Processing And Analysis	10	Level 4	Undergraduate	Semester 2 2020/21	Y	PE	Level 4 version of BE905 - unlikely to run due to staff loss
BE418	Tissue Mechanics	10	Level 4	Undergraduate	Semester 2 2020/21	Y	PE	Level 4 version of BE900
BE419	Regenerative Medicine And Tissue Engineering	10	Level 4	Undergraduate	Semester 2 2020/21	Y	PE	Level 4 version of BE901
BE420	Cardiovascular Devices	10	Level 4	Undergraduate	Semester 2 2020/21	Y	PE	Level 4 version of BE903
BE421	Introduction To Biomechanics	10	Level 4	Undergraduate	Semester 1 2020/21	Y	PE	Level 4 version of BE916
BE422	Biomaterials And Biocompatibility	10	Level 4	Undergraduate	Semester 2 2020/21	Y	PE	Level 4 version of BE906
BE423	Prosthetics And Orthotics	10	Level 4	Undergraduate	Semester 2 2020/21	Y	PE	Level 4 version of BE902
BE424	Practical Biomechanics 2	20	Level 4	Undergraduate	Semester 2 2020/21	N	PE	Group project class - potential for exchange only if biomechanics theory up to date
BE425	The Medical Device Regulatory Process	10	Level 4	Undergraduate	Semester 2 2020/21	Y	PE	Level 4 version of BE920
BE426	Medical Robotics	10	Level 4	Undergraduate	Semester 2 2020/21	Y	PE	Level 4 version of BE924
BE427	Numerical Modelling In Biomedical Engineering	10	Level 4	Undergraduate	Semester 2 2020/21	Y	NE	Level 4 version of BE925
BE428	Professional Studies And Research Methods In Biomedical Engineering	20	Level 4	Undergraduate	Semester 1 2020/21	Y	PE	Combines BE402 and BE403 into one class
BE500	Entrepreneurship, Innovation And Commercialisation In Medical Devices	10	Level 5	Undergraduate	Full Year 2020/2021	N	NE	NOT RUNNING
BE513	Biomedical Engineering Group Project	60	Level 5	Undergraduate	Semester 1 2020/21	N	NE	Industrial-based group project - not suitable for exchange

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BE900	Tissue Mechanics	10	Level 5	Postgraduate	Semester 2 2020/21	N	PE	No exchange - use level 4 version
BE901	Regenerative Medicine And Tissue Engineering	10	Level 5	Postgraduate	Semester 2 2020/21	N	PE	No exchange - use level 4 version
BE902	Prosthetics And Orthotics	10	Level 5	Postgraduate	Semester 2 2020/21	N	PE	No exchange - use level 4 version
BE903	Cardiovascular Devices	10	Level 5	Postgraduate	Semester 2 2020/21	N	PE	No exchange - use level 4 version
BE904	Clinical And Sports Biomechanics	10	Level 5	Postgraduate	Semester 2 2020/21	N	PE	No exchange - use level 4 version
BE905	Biosignal Processing And Analysis	10	Level 5	Postgraduate	Semester 2 2020/21	N	PE	No exchange - use level 4 version
BE906	Biomaterials And Biocompatibility	10	Level 5	Postgraduate	Semester 2 2020/21	N	PE	No exchange - use level 4 version
BE907	Project	60	Level 5	Postgraduate	Full Year 2020/2021	N	NE	MSc project class
BE908	Biomedical Instrumentation	10	Level 5	Postgraduate	Semester 1 2020/21	N	NE	No exchange - use level 4 version
BE909	Biomedical Electronics	10	Level 5	Postgraduate	Semester 1 2020/21	N	NE	No exchange - use level 4 version
BE910	Medical Devices Project	20	Level 5	Postgraduate	Semester 2 2020/21	N	NE	PgDip project class for Medical Devices degree
BE911	Engineering Science	20	Level 5	Postgraduate	Semester 1 2020/21	N	NE	Crash course in engineering for MSc students
BE912	Anatomy And Physiology	10	Level 5	Postgraduate	Semester 2 2020/21	Y	NE	Online Anatomy & Physiology crash course
BE913	Project	120	Level 5	Postgraduate	Semester 2 2020/21	N	NE	MRes project class
BE914	Biomedical Engineering Dissertation	20	Level 5	Postgraduate	Semester 2 2020/21	N	NE	PgDip project class
BE915	Medical Science For Engineering	20	Level 5	Postgraduate	Semester 1 2020/21	Y	NE	Crash course in anat/phys/cellbio for MSc students
BE916	Introduction To Biomechanics	10	Level 5	Postgraduate	Semester 1 2020/21	N	NE	No exchange - use level 4 version
BE917	Medical Devices Dissertation	20	Level 5	Postgraduate	Semester 2 2020/21	N	NE	PgDip project class for Medical Devices degree
BE918	Professional Studies In Biomedical Engineering	10	Level 5	Postgraduate	Semester 1 2020/21	N	NE	No exchange - use level 4 version (BE402)
BE919	Research Methodology	10	Level 5	Postgraduate	Semester 1 2020/21	N	NE	No exchange - use level 4 version (BE403)
BE920	The Medical Device Regulatory Process	10	Level 5	Postgraduate	Semester 2 2020/21	N	PE	No exchange - use level 4 version
BE921	Disability And Societal Effects	20	Level 5	Postgraduate	Full Year 2020/2021	Y	NE	
BE922	Pgdip Prosthetic And Orthotic Dissertation	20	Level 5	Postgraduate	Full Year 2020/2021	N	NE	PgDip P&O project clas
BE923	Haemodynamics For Engineers	10	Level 5	Postgraduate	Semester 2 2020/21	N	PE	
BE924	Medical Robotics	10	Level 5	Postgraduate	Semester 2 2020/21	N	PE	No exchange - use level 4 version
BE925	Numerical Modelling In Biomedical Engineering	10	Level 5	Postgraduate	Semester 2 2020/21	N	PE	No exchange - use level 4 version
BE926	Biofluid Mechanics	20	Level 5	Postgraduate	Semester 1 2020/21	N	PE	Class for MSc Biofluid mechanics only
BE927	Industrial Software	20	Level 5	Postgraduate	Semester 2 2020/21	N	PE	Class for MSc Biofluid mechanics only
BE928	Rehabilitation Technology	10	Level 5	Postgraduate	Semester 2 2020/21	Y	PE	<u>Online class</u>
BE929	Orthotic Management Of Neurological Condition B	20	Level 5	Postgraduate	Semester 2 2020/21	N	NE	
BE930	Orthotic Management Of Diabetic Foot B	20	Level 5	Postgraduate	Semester 2 2020/21	N	NE	
BE931	Hip, Knee And Ankle Disarticulation B	20	Level 5	Postgraduate	Semester 2 2020/21	N	NE	
BE932	Clinical Governance B	20	Level 5	Postgraduate	Semester 2 2020/21	N	NE	
BE933	Orthotic Management Of Spinal Deformity B	20	Level 5	Postgraduate	Semester 2 2020/21	N	NE	
BE934	Clinical Gait Analysis B	20	Level 5	Postgraduate	Semester 2 2020/21	N	NE	
BE935	Upper Limb Prosthetics B	20	Level 5	Postgraduate	Semester 2 2020/21	N	NE	
BE936	Lower Limb Prosthetic Design B	20	Level 5	Postgraduate	Semester 2 2020/21	N	NE	
BE937	Paediatric Lower Limb Prosthetics B	20	Level 5	Postgraduate	Semester 2 2020/21	N	NE	
BE938	Prosthetic Engineering	20	Level 5	Postgraduate	Semester 2 2020/21	N	EO	New class - bedding down, no level 4 equiv. potential for exchange
BE939	Orthotic Engineering	20	Level 5	Postgraduate	Semester 2 2020/21	N	EO	New class - bedding down, no level 4 equiv. potential for exchange

PGT versions of BE407 to BE414