

Table of Curriculum

Classification	Course No.	Computer Code	Course Name	Lecture; Lab.; Credit (Assignment)	Semester	Note
Elective major Courses	BM501	70.501	Current Topics of Biomedical Research	3:0:3(3)	Spring	☉
	BM502	70.502	General Clinical Medicine	3:0:3(3)	Fall	☉
	BM503	70.503	Biomedical Cell Biology I	3:0:3(3)	Spring	☉ *BS611
	BM504	70.504	Biomedical Cell Biology II	3:0:3(3)	Fall	☉ *BS612
	BM521	70.521	Human Anatomy and Physiology	3:0:3(3)	Fall	☉
	BM522	70.522	Human Pathology	3:0:3(3)	Spring	☉
	BM523	70.523	Neurobiology	3:0:3(3)	Fall	☉
	BM524	70.524	Experimental Animals	3:0:3(6)	Fall	☉
	BM525	70.525	Genetics of Cancer	3:0:3(3)	Fall	☉
	BM526	70.526	Applied Clinical Science	3:0:3(3)	Spring	☉
	BM527	70.527	Pathology of Laboratory Animals	3:0:3(3)	Spring	☉
	BM528	70.528	Biomedical Molecular Biology	3:0:3(3)	Spring	☉
	BM529	70.529	Biology of Disease	3:0:3(3)	Fall	☉
	BM530	70.530	Molecular & Cellular Biology of Cancer	3:0:3(3)	Fall	☉
	BM531	70.531	Bioanalytical Technology	3:0:3(3)	Fall	☉
	BM545	70.545	Stem Cell Biology	3:0:3(3)	Fall	☉
	BM553	70.553	Advanced Cellular and Molecular Immunology	3:0:3(3)	Fall	☉
	BM610	70.610	Techniques of Laboratory Animal	2:3:3(3)	Fall	*MSE610
	BM701	70.701	Special Topics in Biomedical Sciences	3:0:3(3)	Spring	
	BM702	70.702	Special Topics in Biomedical Engineering	3:0:3(3)	Fall	
	BM711	70.711	Cellular and Molecular Immunology	3:0:3(3)	Fall	
	BiS525	41.525	Brain Dynamics	3:0:3(1)	Spring	☉
	BiS531	41.531	Genome Bioinformatics	3:0:3(6)	Spring	☉
	BiS551	41.551	Medical Image Processing	3:0:3(3)	Fall	☉
	BS516	21.516	Advanced Genetics	3:0:3(3)	Spring	☉
	BS524	21.524	Advanced Molecular Biology	3:0:3(3)	Spring	☉
	BS525	21.525	Gene Expression	3:0:3(3)	Spring	☉
	BS526	21.526	Molecular Virology	3:0:3(3)	Fall	☉
	BS536	21.536	Environmental Toxicology	3:0:3(2)	Fall	☉
	BS624	21.624	Protein Chemistry and Engineering	3:0:3(0)	Fall	
	BS626	21.626	Nucleic Acid Biochemistry	3:0:3(3)	Fall	
	BS628	21.628	Biological Membranes	3:0:3(0)	Fall	
	BS571	21.571	Advanced Animal Cell Engineering	3:0:3(2)	Spring	☉
	BS711	21.711	Bioinformatics	3:0:3(3)	Spring	
	BS722	21.722	Biochemistry of Carcinogenesis	3:0:3(3)	Fall	
	BS742	21.742	Molecular Cell Biology	3:0:3(2)	Fall	
CBE462	39.462	Bioseparation Processes Engineering	3:0:3(3)	Fall	☉	
CBE664	39.664	Process for Recombinant Microorganisms	3:0:3(3)	Spring		

Classification	Course No.	Computer Code	Course Name	Lecture; Lab.; Credit (Assignment)	Semester	Note
	CH581	23.581	Advanced Biochemistry	3:0:3(3)	Spring	◎
	CH610	23.610	Structure Biochemistry	3:0:3(3)	Spring-Fall	
	CH782	23.782	Special Topic in Biochemistry I	3:0:3(3)	Spring-Fall	
	CH783	23.783	Special Topic in Biochemistry II	3:0:3(3)	Spring-Fall	
	EE535	35.535	Digital Image Processing	3:0:3(6)	Spring	◎
	EE682	35.682	Intelligent Control Theory	3:0:3(6)	Fall	
	EE737	35.737	Medical Imaging Technology	3:0:3(6)	Spring	
	ME510	B7.510	Advanced Fluid Mechanics	3:0:3(6)	Spring	◎
	ME521	B7.521	Viscous Fluid Flow	3:0:3(6)	Fall	◎
	ME530	B7.530	Advanced Mechanics of Solids	3:0:3(6)	Spring	◎
	ME561	B7.561	Linear System Control	3:0:3(6)	Spring	◎
	ME642	B7.642	Medical Biomechanics	3:0:3(6)	Fall	
	ME655	B7.655	Advanced Robotics Engineering	3:1:3(6)	Fall	
	MS514	34.514	Mechanical Behavior of Materials	3:0:3(3)	Fall	◎
	MS572	34.572	Composite Materials	3:0:3(3)	Spring-Fall	◎
	MSE601	46.601	Medical Science Experimental Techniques	3:0:3(3)	Spring	
	MSE602	46.602	Contemporary Seminar of Modern Medical I	3:0:3(3)	Spring	
	MSE603	46.603	Contemporary Seminar of Modern Medical II	3:0:3(3)	Fall	
	MSE612	46.612	Pathophysiology of Chronic Infectious Diseases	3:0:3(3)	Fall	
	NQE561	33.561	Radiation Measurement Systems	3:0:3(4)	Spring	◎
	NQE562	33.562	Radiation Imaging Instrumentation	3:0:3(4)	Spring	◎
	PH507	20.507	Advanced Electrodynamics I	3:0:3(4.5)	Fall	◎
Research	BM960	70.960	M.S. Thesis Research		Spring-Fall	
	BM966	70.966	M.S. Seminar	1:0:1	Spring-Fall	
	BM980	70.980	Ph.D. Thesis Research		Spring-Fall	
	BM986	70.986	Ph.D. Seminar	1:0:1	Spring-Fall	
	BM987	70.987	Graduate Student Seminar	1:0:1	Spring-Fall	

◎: Course mutually recognized by undergraduate and graduate programs

* : stands for substitutable courses

※Course classification, course title, and mutual recognition of credits may differ according to the effective year of the requirements.

Substitute Course List

Substitute courses in the department					
Category	Courses currently offered		Courses not currently offered		
	Course no.	Course title	Course no.	Course title	Remark
Graduate Course	BS571	Advanced Animal Cell Engineering	BS671	Advanced Animal Cell Engineering	Course No. changed
Graduate Course	CBE462	Bioseparation Processes Engineering	CBE662	Bioseparation Processes Engineering	Course No. & Course title changed
Graduate Course	ME510	Advanced Fluid Mechanics	MAE510	Advanced Fluid Mechanics	Closed course
Graduate Course	ME521	Viscous Fluid Flow	MAE521	Viscous Fluid Flow	Closed course
Graduate Course	ME595	Advanced Mechanics of Solids	MAE530	Advanced Mechanics of Solids	Closed course
Graduate Course	ME561	Linear System Control	MAE561	Linear System Control	Closed course
Graduate Course	ME642	Biomechanics	MAE642	Biomechanics	Closed course
Graduate Course	ME655	Advanced Robotics Engineering	MAE655	Robotics Engineering	Closed course
Graduate Course	MS514	Mechanical Behavior of Materials	MS514	Mechanical Behavior of Solids	Course title changed

Substitute courses offered by other departments					
Category	Courses offered by the department		Courses offered by other departments		
	Course no.	Course title	Course no.	Course title	Remark
Graduate Course	BM503	Biomedical Cell Biology I	BS611	Advanced Molecular Cell Biology I	One-way substitution
Graduate Course	BM504	Biomedical Cell Biology II	BS612	Advanced Molecular Cell Biology II	One-way substitution
Graduate Course	BM610	Techniques of Laboratory Animal	MSE610	Techniques of Laboratory Animal	One-way substitution