The following proposals were approved at the Academic Committee meeting on 21 May 2019:

I. New B.A. & Sc. Ad hoc Program for One Student:

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## Associated Programs

- Ph.D. in Biology (Thesis); Environment  Geography - M.Sc. in Geography (Thesis); Environment - Ph.D. in Geography (Thesis); Environment  M.A. and Ph.D. (Arts) Program Changes (For Information): - M.A. in Geography (Thesis); Environment - Ph.D. in Geography (Thesis); Environment  (4) Mathematics & Statistics MATH 308 Fundamentals of Statistical Learning 3 credits  III. Courses and Program Revisions: (1) Microbiology and Immunology MIMM 465 Bacterial Pathogenesis Change in course description 3 credits  (2) Physics PHYS 320 Introductory Astrophysics Changes in number [from -214], subject, course term, description, prerequisites, restrictions 3 credits  PHYS 346 Majors Quantum Physics Changes: number [from -446]; subject/course/term, prerequisites, restrictions 3 credits  PHYS 434 Optics Changes in prerequisites, corequisites, supplementary		Associated Programs					
- M.Sc. in Geography (Thesis); Environment - Ph.D. in Geography (Thesis); Environment  M.A. and Ph.D. (Arts) Program Changes (For Information): - M.A. in Geography (Thesis); Environment - Ph.D. in Geography (Thesis); Environment  (4) Mathematics & Statistics MATH 308 Fundamentals of Statistical Learning 3 credits  III. Courses and Program Revisions: (1) Microbiology and Immunology MIMM 465 Bacterial Pathogenesis Change in course description 3 credits  (2) Physics PHYS 320 Introductory Astrophysics Changes in number [from -214], subject, course term, description, prerequisites, restrictions 3 credits  PHYS 346 Majors Quantum Physics Changes: number [from -446]; subject/course/term, prerequisites, restrictions 3 credits PHYS 434 Optics Changes in prerequisites, corequisites, supplementary	(2)	- M.Sc. in Biology (Th	AC-18-105 AC-18-106				
- M.A. in Geography (Thesis); Environment - Ph.D. in Geography (Thesis); Environment  (4) Mathematics & Statistics	(3)	- M.Sc. in Geography	AC-18-107 AC-18-108				
MATH 308 Fundamentals of Statistical Learning 3 credits  III. Courses and Program Revisions: (1) Microbiology and Immunology MIMM 465 Bacterial Pathogenesis Change in course description 3 credits  (2) Physics PHYS 320 Introductory Astrophysics Changes in number [from -214], subject, course term, description, prerequisites, restrictions 3 credits  PHYS 346 Majors Quantum Physics Changes: number [from -446]; subject/course/term, prerequisites, restrictions 3 credits PHYS 434 Optics Changes in prerequisites, corequisites, supplementary		- M.A. in Geography					
(1) Microbiology and Immunology MIMM 465  Bacterial Pathogenesis Change in course description 3 credits  (2) Physics PHYS 320  Introductory Astrophysics Changes in number [from -214], subject, course term, description, prerequisites, restrictions 3 credits  PHYS 346  Majors Quantum Physics Changes: number [from -446]; subject/course/term, prerequisites, restrictions 3 credits PHYS 434  Optics Changes in prerequisites, corequisites, supplementary	(4)		Fundamentals of Statistical Learning	AC-18-130			
PHYS 320  Introductory Astrophysics Changes in number [from -214], subject, course term, description, prerequisites, restrictions 3 credits  PHYS 346  Majors Quantum Physics Changes: number [from -446]; subject/course/term, prerequisites, restrictions 3 credits  PHYS 434  Optics Changes in prerequisites, corequisites, supplementary		Microbiology and Imr	nunology Bacterial Pathogenesis Change in course description	AC-18-96(Rev)			
PHYS 346 Majors Quantum Physics Changes: number [from -446]; subject/course/term, prerequisites, restrictions 3 credits PHYS 434 Optics Changes in prerequisites, corequisites, supplementary	(2)		Changes in number [from -214], subject, course term, description, prerequisites, restrictions	AC-18-122			
PHYS 434 Optics <u>AC-18-123</u> Changes in prerequisites, corequisites, supplementary		PHYS 346	Majors Quantum Physics Changes: number [from -446]; subject/course/term prerequisites, restrictions	AC-18-124			
calendar info 3 credits		PHYS 434	Optics Changes in prerequisites, corequisites, supplement calendar info	AC-18-123 tary			
		PHYS 479		AC-18-125			