Graduate School Governance Actions	
2019-2020 Academic Year	

Graduate School

Courses

New

TBMH 5064 Fundamentals of Tissue Engineering and Reparative Medicine (Revised) (CM-5387)	
Total New Courses	**1**
Total Graduate School Governance Actions	**1**

College of Agriculture and Life Sciences

Courses

New

ALCE 5704 Systems Thinking Pedagogy and Praxis (New) (CM-5868)	
ALS 5104 Communicating Research and Leadership in Agriculture and Life Sciences (New) (CM-6037)	
ALS 5134 Community-Based Applications of Qualitative Inquiry (New) (CM-5431)	
APSC 5514G Advanced Animal Growth and Development (New) (CM-5231)	
BCHM 5204 Molecular Biology of Eukaryotic Gene Expression (New) (CM-5869)	
CSES 5324 Blending Business and Environment Principles (New) (CM-5460)	
HNFE 5214 Physical Activity and Health (New) (CM-5394)	
HNFE 5474 Human Exercise Testing: Physiology and Biomechanics (New) (CM-5644)	
PPWS 5154 Plant Problem Diagnosis (New) (CM-5239)	
SPES 5004 Graduate Seminar Plant and Environmental Sciences (New) (CM-5433)	
Total New Courses	**10**

Revised

HNFE 5354 Food for Optimal Health (Revised) (CM-5432)	
Total Revised Courses	**1**

Discontinued

CSES 5004 Graduate Seminar (CM-5433)	
HORT 5004 Seminar (CM-5433)	
PPWS 5004 Seminar (CM-5433)	
Total Discontinued Courses	**3**

Discontinued (232)

ALCE 5024 Supervised Experience Programs in Agriculture	
ALCE 5034 Teaching Agric Mechanics	
CSES 5694 Soil Biochemistry	
FST 5174 Total Life Cycle Risk Management for Health Products	
HNFE 5674 Soc Determinants Health HNFE	
HNFE 5724 Epidemiology	
PPWS 5304 (BIOL 5304) Plant Stress Physiology	
Total Discontinued (232) Courses	**7**
Total College of Agriculture and Life Sciences Governance Actions	**21**

College of Architecture and Urban Studies

Courses

New

BC 5374 Advanced Lifecycle BIM for Facility Management (New) (CM-5631)	

		CNST 5234 Construction Project Leadership (New) (CM-5292)	
		CNST 5304 Construction Safety System Design (New) (previously tabled 10/10/2019) (CM-5381)	
		SPIA 5124 (PSCI 5124) (STS 5124) Decision Making, Reflective Practice, and Engagement in STEM-H Domains (New) (CM-6032)	
		Total New Courses	**4**
Discontinued (232)			
		GIA 5564 (PSCI 5564) (WGS 5564) Women and Globalization	
		PAPA 6524 Advanced Quantitative Methods in Public Administration & Policy	
		UAP 5194 Urban Growth Management	
		UAP 5594 Nonprofit Law and Ethics	
		UAP 5854G Advanced Plan Urban Infrastructure	
		Total Discontinued (232) Courses	**5**
Tabled			
		CNST 5304 Construction Safety Leadership (New) (CM-5381)	
		Total Tabled Courses	**1**
Graduate Programs			
New Certificates			
		Establishment of New Graduate Certificate: Construction Management (CMGC), effective for students graduating in calendar year 2020; first term and year to enroll: Spring 2020; first term and year to graduate: Fall 2020 (CM-5311)	
		Total New Certificates	**1**
Revised Certificates	Graduate Certificate: Homeland Security (HSC) (Revised/Change in Credit Hours) effective for students graduating in calendar year 2021 (CM-5677)		
		Total Revised Certificates	**1**
		Total College of Architecture and Urban Studies Governance Actions	**12**
Pamplin College of Business			
Courses			
New			
		ACIS 6044 Seminar in Archival Audit Research (New) (previously tabled on 1/23/2020) (CM-5591)	
		MGT 5324 Interpersonal Leadership for Managers (New) (previously tabled on 9/26/19) (CM-5258)	
		MGT 5824 Technology-based Entrepreneurship (New) (CM-5430)	
		MKTG 6234 Experimental Methods in Business Research (New) (CM-5251)	
		MKTG 6244 Advanced Quantitative Research Methods in Business (New) (CM-5252)	
		Total New Courses	**5**
Revised			
		ACIS 5534 Information Systems Analysis and Design (Revised) (CM-5296)	
		Total Revised Courses	**1**
Tabled			
		ACIS 6044 Seminar in Archival Audit Research (New) Fall 2020 (CM-5591)	
		MGT 5324 Interpersonal Leadership for Managers (New) (CM-5258)	
		Total Tabled Courses	**2**
Defer	EDP 5184 Fundamentals of Practice-Based Research Methods (New) (CM-5556)		
		EDP 5284 Advanced Practice-Based Research Methods (New) (CM-5557)	
		Total Deferred Courses	**2**
Discontinued (232)			
		MGT 5454 International Business	
		MGT 5464 Corporate Acquisitions and Alliances	
		Total Discontinued (232) Courses	**2**
New Certificates			

	Establishment of New Graduate Certificate: Big Data (BDC) (New) effective for students graduating in calendar year 2021; first term and year to enroll: Fall 2020; first term and year to graduate: Spring 2021 (CM-5734)		
	Establishment of New Graduate Certificate: Cybersecurity Management (CSMC) (New) effective for students graduating in calendar year 2020; first term and year to enroll: Summer 2020; first term and year to graduate Fall 2020 (CM-5574)		
	Establishment of New Graduate Certificate: Cybersecurity Policy (CSPC) (New) effective for students graduating in calendar year 2020; first term and year to enroll: Summer 2020; first term and year to graduate Fall 2020 (CM-5573)		
	Establishment of New Graduate Certificate: Internet and Network Technologies (INTC) (New) effective for students graduating in calendar year 2021; first term and year to enroll: Fall 2020; first term and year to graduate: Spring 2021 (CM-5735)		
	Total New Certificates	**4**	
Revised Certificates			
	Graduate Certificate: Business Data Analytics (BDAC) (Rename/Credit Hour Change) effective for students graduating in calendar year 2020; first term and year to enroll: Summer 2020; first term and year to graduate Fall 2020 (CM-5568)		
	Graduate Certificate: Cybersecurity Technologies (CSTC) (Rename/Credit Hour Change/ CIP Code Change) effective for students graduating in calendar year 2020; first term and year to enroll: Summer 2020; first term and year to graduate Fall 2020 (CM-5571)		
	Graduate Certificate: Health Information Technology (HITC) (Revised/Credit Hour Change) effective for students graduating in calendar year 2020; first term and year to enroll: Summer 2020; first term and year to graduate Fall 2020 (CM-5346)		
	Graduate Certificate: Information Systems Design (ISDC) (Rename/Credit Hour Change) effective for students graduating in calendar year 2020; first term and year to enroll: Summer 2020; first term and year to graduate Fall 2020 (CM-5569)		
	Graduate Certificate: Information Technology Management (ITMC) (Revised/Credit Hour Change) effective for students graduating in calendar year 2020; first term and year to enroll: Summer 2020; first term and year to graduate Fall 2020 (CM-5567)		
	Graduate Certificate: Software Development (SWDC) (Revised) effective for students graduating in calendar year 2020; first term and year to enroll: Summer 2020; first term and year to graduate Fall 2020 (CM-5566)		
	Total Revised Certificates	**6**	
Discontinued Certificates			
	Graduate Certificate: Business Analytics and Data Mining (BADC), effective Fall 2021 (CM-5568)		
	Graduate Certificate: Database Management (DMC), effective Fall 2021 (CM-5569)		
	Graduate Certificate: Information Security and Analytics (ISC), effective Fall 2021 (CM-5571)		
3	**Total Discontinued Certificates**	**3**	
	Total Pamplin College of Business Governance Actions	**25**	

College of Engineering

Courses

New

	AOE 5664 Upper Atmosphere and Ionosphere (New) Spring 2021 (CM-5605)		
	BMES 5324 Advanced Topics in Regenerative Medicine (New) (CM-4766)		
	BMES 5534 Advanced Computational Methods and Modeling for Biomedical Applications (New) (CM-5390)		
	BMES 5614 Multiscale Cancer Engineering (New) (previously tabled 10/25/18) (CM-4702)		
	BMES 6524 Physics of Medical Imaging (New) (previously tabled 3/23/17, 8/31/17, 4/26/18, and 2/14/19) (CM-3326)		
	CEE 5420 Computer Methods of Structural Analysis (New) (CM-5171)		
	CEE 5440 Instrumentation and Signal Processing for Civil Engineering Applications (New) (CM-5291)		
	CEE 6514 Dynamics of Soils and Foundations (New) (CM-5698)		
	CS 5814 Introduction to Deep Learning (New) (CM-5290)		
	ECE 5414G (CS 5264G) Advanced Linux Kernel Programming (New) (CM-4703)		
	ECE 5424 (CS 5824) Advanced Machine Learning (New) (CM-5377)		
	ENGE 5214 Issues in Engineering Education (New) (CM-5998)		
	ENGE 5224 Disciplinary Literacy: Theorizing and Writing in Engineering Education (New) (CM-5999)		
	ENGE 5304 Graduate Student Success in Multicultural Environments (New) (CM-5645)		

		ESM 6024 Mechanics of Soft Tissues (New) (CM-5319)	
		ISE 5654 Human Factors System Design (New) (CM-5997)	
		ISE 5804 Fundamentals of Systems Engineering (New) (CM-4704)	
		ISE 5814 System Dynamics Modeling of Socio-Technical Systems (New) (CM-5336)	
		ISE 5834 Decision Analysis for Engineers (New) (CM-5235)	
		ISE 5844 Healthcare Systems Engineering and Modeling (New) (CM-5236)	
		ISE 6644 Cognitive Work and Task Analysis (New) (CM-5537)	
		MINE 5204 Reservoir Geomechanics (New) (CM-3788)	
		MINE 5214 Multicomponent Thermodynamics (New) (CM-3789)	
		MINE 5224 Flow and Transport in Petroleum Reservoirs (New) (CM-4707)	
		MINE 5234 Numerical Modeling of Petroleum Reservoirs (New) (CM-3790)	
		MINE 5244 Geophysical Investigation in Geoenergy Engineering (New) (CM-3791)	
		MSE 5004 Materials Science and Engineering Graduate Fundamentals (New) CM-5367	
		MSE 5154 Processing Science in Advanced Manufacturing (New) (CM-5368)	
		MSE 5394 Advanced Molecular Dynamics Simulation (New) (CM-5369)	
		NSEG 5514 Structural Materials Degradation in Nuclear Power Systems (New) (CM-5606)	
		Total New Courses	**30**
	Revised		
		AOE 5074 Advanced Ship Structure Analysis (Revised) (CM-5264)	
		MSE 5134 Transmission Electron Microscopy (Revised) (previously tabled 4/25/19) (CM-4705)	
		Total Revised Courses	**2**
	Discontinued (232)		
		AOE 5844 Wave Mechanics	
		BSE 5624 Enzyme Engineering	
		BSE 5644 Biobased Ind Polymers	
		CEE 5364 Water Law	
		CEE 5424G Intermediate Design of Prestressed Concrete Structures	
		ECE 5334 Electric Machines and Transients	
		ISE 6284 Advanced Topics in Manufacturing Systems Engineering	
		ME 5774 Introduction to Stochastics	
		Total Discontinued (232) Courses	**8**
	Discontinue		
		ECE 5424G Advanced Machine Learning (CM-5377)	
		ENGE 5014 Foundations of Engineering Educations (CM-5998) & (CM-5999)	
		ENGR 5104 Applied Systems Engineering (CM-5998)	
		ISE 5605-5606 Human Factors Systems Design (CM-5997)	
		Total Discontinued Courses	**4**
	Tabled		
		BMES 5604 Cancer Detection and Therapeutics (New) (CM-5234)	
		Total Tabled Courses	**1**
Graduate Programs			
	Revised Certificates		
		Graduate Certificate: Naval Engineering (NAVC) (Revised) (2020); effective for students graduating in calendar year 2020 (CM-4447)	
		Total Revised Certificates	**1**
		Total College of Engineering Governance Actions	**46**
College of Liberal Arts & Human Sciences			

Courses			
	New		
		EDCI 5605-5606 Leadership in Mathematics Education (New) (CM-5327)	
		EDCO 5344 Systems Counseling (New) (CM-5299)	
		EDRE 6674 Longitudinal Data Analysis (New) (CM-6002)	
		LAHS 5004 Organizational Leadership for an Aging Society (New) (CM-5300)	
		LAHS 5014 Ethics for an Aging Society (New) (CM-5301)	
		LAHS 5024 Public Policy for an Aging Society (New) (CM-5302)	
		LAHS 5034 Gerontology Leadership Capstone Project (New) (CM-5303)	
		PSCI 5104 (SPIA 5104) (STS 5104) Policy Gateway: Policy and Decision Making in Scientific Domains (New) (CM-6003)	
		TA 5504 Topics in Theatrical Scenic Technology I (New) (CM-5282)	
		TA 5514 Topics in Theatrical Scenic Technology II (New) (CM-5283)	
		TA 5524 Topics in Theatrical Scenic Technology III (New) (CM-5284)	
		TA 5534 Topics in Theatrical Scenic Technology IV (New) (CM-5285)	
		Total New Courses	**12**
	Discontinued (232)		
		EDCI 5124 (MUS 5224) Behavioral Aspects of Music	
		EDCO 6924 Professional Seminar	
		EDEL 5074 Administrative Issues in Special Education Programs	
		EDEL 5084 Legal & Regulatory Issues in Special Education	
		EDHE 5404 Staffing Practices in Higher Education	
		EDHE 6424 Institutional Effectiveness and Outcome Assessment in Higher Education	
		RLCL 5114 The Bible & US Public Schools	
		STS 6314 History of the Philosophy of Science	
		STS 6334 Advanced Topics in Philosophy of Science	
		STS 6834 Advanced Topics in Social Studies of Science, Technology, and Medicine	
		Total Discontinued (232) Courses	**10**
Graduate Programs			
	New Majors		
		Establishment of New Major: Reputational Management (RPTM) under Degree: Master of Arts in Communication (MACOM), effective for students graduating in calendar year 2021; first term and year to enroll: Fall 2020; first term and year to graduate: Spring 2021 (CM-5642)	
		Total New Majors	**1**
	New Certificates		
		Establishment of New Graduate Certificate: Leadership for an Aging Society (ASCC), effective for students graduating in calendar year 2020; first term and year to enroll: Summer 2020; first term and year to graduate: Fall 2021 (CM-5506)	
		Total New Certificates	**1**
		Total College of Liberal Arts & Human Sciences Governance Actions	**24**
College of Natural Resources and Environment			
Courses			
	New		
		GEOG 5134 (GEOS 5844) Advanced Interdisciplinary Issues and Ethics in Water Resources (New) (CM-5572)	
		GEOG 5514G Advanced Tropical Meteorology (New) (CM-6015)	
		Total New Courses	**2**
	Revised		
		FREC 5144 (CSES 5144) Watershed Hydrology (Revised) (CM-5471)	
		FREC 5354 Soil Science and Biogeochemistry (Revised) (CM-5320)	

Total Revised Courses	**2**	
Discontinued		
GEOG 5134G Advanced Water, Hazards, and Development (CM-5572)		
Total Discontinued Courses	**1**	
Total College of Natural Resources and Environment Governance Actions	**5**	

College of Science

Courses

New

BIOL 5504 Quantitative Methods in Ecology and Evolution (New) (CM-5352)		
BIOL 5514 Quantitative Analysis of High-Dimensional Ecological Data (New) (CM-5353)		
ECON 5144 Antitrust and Regulation (New) (CM-6014)		
ECON 5154 Empirical Industrial Organization (New) (CM-6028)		
GEOS 5244 Advanced Morphology of the Vertebrates (New) (CM-5307)		
GEOS 5264 Advanced Sedimentary Basins (New) (CM-5386)		
MATH 5564 Model Reduction: System-Theoretic Methods (New) (CM-5925)		
NEUR 5374 Research Experience in Neuroscience (New) (CM-5354)		
NEUR 6034 Diseases of the Nervous System (New) (previously tabled 9/12/19) (CM-5324)		
STAT 5134 (SPIA 5134) (PSCI 5134) Tools and Approaches for Policy-Making in STEM-H Domains (New) (CM-6029)		
Total New Courses	**10**	
Revised		
BIOL 5674 Advanced Pathogenic Bacteriology (Revised) (CM-5146)		
Total Revised Courses	**1**	
Discontinued (232)		
BIOL 5104 Advanced Developmental Biology		
BIOL 6084 Topics Cell Developmental BIOL		
GEOS 5224 Clastic Petrography and Diagenesis		
PHYS 5774G Advanced Physics of Galaxies		
Total Discontinued (232) Courses	**4**	
Tabled		
NEUR 6034 Diseases of the Nervous System (New) (CM-5324)		
Total Tabled Courses	**1**	
New Certificates		
Establishment of New Graduate Certificate: Applied Statistics (ASTC), effective for students graduating in calendar year 2020; first term and year to enroll: Summer 2020; first term and year to graduate Fall 2020 (CM-5323)		
Total New Certificates	**1**	
Total College of Science Governance Actions	**17**	

Virginia-Maryland Regional College of Veterinary Medicine

Courses

New

PHS 5935 – 5936 Preparation for Public Health Practice (New) (CM-5421)		
VM 8000 Small Animal Behavioral Medicine (New) (CM-5492)		
VM 8030 Special Topics in Equine Clinical Practice Lab (New) (CM-5489)		
VM 8070 Fundamentals of Veterinary Diagnostics (New) (CM-5541)		
VM 8110 Sensing and Seeing (New) (CM-5539)		
VM 8130 Special Topics in Equine Problem Solving (New) (CM-5545)		

		VM 8214 Small Animal Medicine (New) (CM-5496)	
		VM 8604 Small Animal Emergency Medicine (New) (CM-5495)	
		VM 8610 Food Animal Population Medicine (New) (CM-5544)	
		VM 8670 Special Topics in Equine Clinical Practice (New) (CM-5546)	
		VM 8680 Equine Clinical Practice: Breathing, Circulating, and Moving (New) (CM-5547)	
		VM 8704 Veterinary Cytopathology (New) (CM-5494)	
		VM 8714 Small Animal Oncology (New) (CM-5493)	
		VM 8734 Beef Cattle Medicine and Production (New) (CM-5486)	
		VM 8744 Dairy Cattle Medicine and Production (New) (CM-5488)	
		VM 8774 Food Animal Clinical Reproduction (New) (CM-5491)	
		VM 8814 The Next Equid (New) (CM-5490)	
		VM 8824 Moving (Revised) (CM-5540)	
		VM 8844 Applied Veterinary Diagnostics (New) (CM-5542)	
		VM 8864 Clinical Reptile Medicine (New) (CM-5487)	
		Total New Courses	**20**
Revised			
		PHS 5044 (HNFE 5694) Public Health Policy and Administration (Revised) (CM-4903)	
		PHS 5934 Public Health Integrative Learning Experience (Revised) (CM-5449)	
		Total Revised Courses	**2**
		Total Virginia-Maryland Regional College of Veterinary Medicine Governance Actions	**22**

Summary of Graduate Governance Actions

Courses

		New	**94**
		Revised	**9**
		Discontinued (Upon Approval of New Course)	**8**
		Discontinued (PPM No. 232, Policy on Untaught (>3 years) Courses from Graduate School Catalog - Report	**36**
		Tabled	**5**
		Subtotal Courses	**152**

Graduate Programs

		New Majors	**1**
		New Certificates	**7**
		Revised Certificates	**8**
		Discontinued Certificates	**3**
		Subtotal Graduate Programs	**19**
		Total Graduate School Governance Actions	**171**