

Fall 2022

Course Number	Title of Course	Credit Hours	Course Coordinator	Pre-Requisite(s)
VBMS 6111	Veterinary Anatomy	4	Akingbemi	
VBMS 7020	Microscopic Anatomy I	3	Foradori	
VBMS 7140	Physiology I	5	Schwartz	
VBMS 7280	Physics of Diagnostic Imaging	3	Holland	
VBMS 7300	Avian Diagnostic Pathology	1 to 3	Joiner	
VBMS 7310	Advanced Veterinary Anesthesiology	1	Clark-Price	
VBMS 7320	Evaluation of Current and Emerging Literature in Veterinary Anesthesia	1	Clark-Price	
VBMS 7480	Methods in Immunology	5	Suryawanshi	VBMS 7500
VBMS 7500	Cellular and Molecular Immunology	3	Suryawanshi	BIOL 6500
VBMS 7580	Surgical Pathology	1 to 3	Koehler	
VBMS 7680	Pathology Seminar	1	Koehler	VMED 5220
VBMS 7750	Graduate Colloquium in Veterinary Clinical Sciences	1	Gerken	
VBMS 7820	Advanced Small Animal Medicine II	3 to 5	Lee-Fowler	
VBMS 7830	Advanced Small Animal Medicine III	3 to 5	Bergman	
VBMS 7840	Advanced Critical Care Medicine I: Pathophysiology	1	McMichael	
VBMS 7880	Advanced Veterinary Ophthalmology: Ophthalmic Medicine	3	Moore	
VBMS 7940	Current Topics in Immunobiology	1	Suryawanshi	
VBMS 8000	Advanced Small Animal Emergency and Critical Care Literature Review	1	Gerken	
VBMS 8360	Advanced Equine Medicine I: GI Disease	2	Sanchez	
VBMS 8480	Experimental Methods in Veterinary Medicine	3	Hofmeister	
VBMS 8950	Biomedical Sciences Seminar	1	Bird	
VBMS 8950	Biomedical Sciences Seminar	1	Panizzi	

Spring 2023

Course Number	Title of Course	Credit Hours	Course Coordinator	Pre-Requisite(s)
VBMS 6121	Veterinary Anatomy II	3	Mansour	
VBMS 7030	Microscopic Anatomy II	3	Zhong	
VBMS 7150	Physiology II	5	Kemppainen	VBMS 7140
VBMS 7160	Neuroscience	3	Biancardi	
VBMS 7180	Receptorology	4	Tao	VBMS 7070
VBMS 7300	Avian Diagnostic Pathology	1 to 3	Joiner	
VBMS 7310	Advanced Veterinary	1	Clark-Price	
VBMS 7320	Evaluation of Current and Emerging Literature in Veterinary Anesthesia	1	Clark-Price	
VBMS 7480	Methods in Immunology	5	Suryawanshi	VBMS 7500
VBMS 7500	Cellular and Molecular Immunology	3	Suryawanshi	BIOL 6500
VBMS 7540	Current Topics in Molecular Virology	3	Van Santen	VBMS 7520, BIOL 6260
VBMS 7580	Surgical Pathology	1 to 3	Koehler	
VBMS 7610	Advanced Clinical Pathology II	2	TBD	VMED 5230
VBMS 7680	Pathology Seminar	1	Koehler	VMED 5220
VBMS 7720	Developmental Molecular Biology	3	B. Smith	VBMS 7520
VBMS 7750	Graduate Colloquium in Veterinary Clinical Sciences	1	Gerken	
VBMS 7830	Advanced Small Animal Medicine III	3 to 5	Bergman	
VBMS 7840	Advanced Critical Care Medicine I: Pathophysiology	1	McMichael	
VBMS 7940	Current Topics in Immunobiology	1	Suryawanshi	
VBMS 8000	Advanced Small Animal Emergency and Critical Care Literature Review	1	Gerken	
VBMS 8950	Biomedical Sciences Seminar	1	Bird	
VBMS 8950	Biomedical Sciences Seminar	1	Panizzi	

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Course Number	Title of Course	Credit Hours	Course Coordinator	Pre-Requisite(s)
VBMS 7010	Pathways to Successful Research	1	Perkins	
VBMS 7130	Veterinary Medicine Diagnostic Ultrasonography	3	Holland	VMED 9120 and VMED 9121 and/or DVM
VBMS 7210	Radiation Biology	4	Almond	
VBMS 7300	Avian Diagnostic Pathology	1 to 3	Joiner	
VBMS 7320	Evaluation of Current and Emerging Literature in Veterinary Anesthesia	1	Clark-Price	
VBMS 7580	Surgical Pathology	1 to 3	Koehler	
VBMS 7750	Graduate Colloquium in Veterinary Clinical Sciences	1	Gerken	
VBMS 7830	Advanced Small Animal Medicine III	3 to 5	Bergman	
VBMS 7940	Current Topics in Immunobiology	1	Suryawanshi	
VBMS 8000	Advanced Small Animal Emergency and Critical Care Literature Review	1	Gerken	
VBMS 8380	Advanced Equine Medicine III: Neuromuscular	2	Taintor	
VBMS 8950	Biomedical Sciences Seminar	1	Bird	
VBMS 8950	Biomedical Sciences Seminar	1	Panizzi	

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Course Number	Title of Course	Credit Hours	Course Coordinator	Pre-Requisite(s)
VBMS 5100	Cancer Biology & Genetics	3	Bird	
VBMS 6100	Cancer Biology & Genetics	3	Bird	
VBMS 6111	Veterinary Anatomy	4	Akingbemi	
VBMS 7000	Neuroanatomy	5	Jukier	
VBMS 7020	Microscopic Anatomy I	3	Foradori	
VBMS 7070	Endocrinology	4	Huang	BCHE 7200, BCHE 7260, and BIOL 6600
VBMS 7140	Physiology I	5	Schwartz	VBMS 7140
VBMS 7300	Avian Diagnostic Pathology	1 to 3	Joiner	
VBMS 7310	Advanced Veterinary	1	Clark-Price	
VBMS 7320	Evaluation of Current and Emerging Literature in Veterinary Anesthesia	1	Clark-Price	
VBMS 7380	Advanced Food Animal Medicine	3	Passler	
VBMS 7410	Andrology of Large Domestic Animals	3	Maxwell	
VBMS 7480	Methods in Immunology	5	Suryawanshi	VBMS 7500
VBMS 7530	Experimental Techniques in Molecular and Cellular Biology	3	Bird	
VBMS 7580	Surgical Pathology	1 to 3	Koehler	
VBMS 7620	Diagnostic Oncology	3	Koehler	
VBMS 7680	Pathology Seminar	1	Koehler	VMED 5220
VBMS 7750	Graduate Colloquium in Veterinary Clinical Science	1	Gerken	
VBMS 7800	Advanced Small Animal Neurology	3	Jukier	
VBMS 7830	Advanced Small Animal Medicine III	5	Bergman	
VBMS 7840	Advanced Critical Care Medicine I: Pathophysiology	1	McMichael	
VBMS 7940	Current Topics in Immunobiology	1	Suryawanshi	
VBMS 8000	Advanced Small Animal Emergency and Critical Care Literature Review	1	Gerken	
VBMS 8390	Advanced Equine Medicine IV: Cardiorespiratory	2	Lascola	
VBMS 8950	Biomedical Sciences Seminar	1	Bird	
VBMS 8950	Biomedical Sciences Seminar	1	Panizzi	

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VBMS 6121	Veterinary Anatomy II	3	Mansour	
VBMS 7030	Microscopic Anatomy II	3	Zhong	
VBMS 7040	Advanced Physiology of Reproduction	3	Bartol	
VBMS 7090	Clinical Pharmacology	3		
VBMS 7150	Physiology 2	4	Huang	VBMS 7140
VBMS 7160	Neuroscience	3	Biancardi	
VBMS 7180	Receptorology	4	Tao	VBMS 7070
VBMS 7220	Structure and Function of Animal Skin	3	White	
VBMS 7300	Avian Diagnostic Pathology	1 to 3	Joiner	
VBMS 7310	Advanced Veterinary Anesthesiology	1	Clark-Price	
VBMS 7320	Evaluation of Current and Emerging Literature in Veterinary Anesthesia	1	Clark-Price	
VBMS 7370	Advanced Large Animal Orthopedic Surgery	5	Boone	
VBMS 7400	Gynecology of Large Domestic Animals	3	Maxwell/Rush	
VBMS 7410	Andrology of Large Domestic Animals	3	Maxwell/Johnson	
VBMS 7460	Microbial Pathogenesis	3	Price	VBMS 7510 or BIOL 6260
VBMS 7480	Methods in Immunology	5	Suryawanshi	VBMS 7500
VBMS 7500	Cellular and Molecular Immunology	3	Suryawanshi	BIOL 6500
VBMS 7520	Eukaryotic Molecular Biology	3	Bird	
VBMS 7550	Pathology	1 to 3	Koehler	
VBMS 7580	Surgical Pathology	1 to 3	Koehler	
VBMS 7600	Advanced Clinical Pathology I	3	TBD	VMED 5230
VBMS 7680	Pathology Seminar	1	Koehler	VMED 5220
VBMS 7750	Graduate Colloquium in Veterinary Clinical Science	1	Gerken	
VBMS 7760	Advanced Veterinary Neurosurgery	5	Yanke	
VBMS 7780	Veterinary Wound Management and Reconstructive Surgery	4	Matz/Tillson/Hlusko	
VBMS 7830	Advanced Small Animal Medicine III	5	Bergman	
VBMS 7840	Advanced Critical Care Medicine I: Pathophysiology	1	McMichael	
VBMS 7890	Advanced Veterinary Ophthalmology: Ophthalmic Basic Sciences	3	Moore	
VBMS 7940	Current Topics in Immunobiology	1	Suryawanshi	
VBMS 8000	Advanced Small Animal Emergency and Critical Care Literature Review	1	Gerken	
VBMS 8370	Advanced Equine Medicine II: Renal/Endocrine	2	Taintor	
VBMS 8950	Biomedical Sciences Seminar	1	Bird	
VBMS 8950	Biomedical Sciences Seminar	1	Panizzi	

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Course Number	Title of Course	Credit Hours	Course Coordinator
VBMS 7010	Pathways to Successful Research	1	Perkins
VBMS 7080	Molecular Endocrinology	2	Tao
VBMS 7250	Normal Radiological Anatomy	3	Cole
VBMS 7300	Avian Diagnostic Pathology	1 to 3	Joiner
VBMS 7320	Evaluation of Current and Emerging Literature in Veterinary Anesthesia	1	Clark-Price
VBMS 7350	Advanced Large Animal Urogenital Surgery	5	Rush
VBMS 7400	Gynecology of Large Domestic Animals	3	Maxwell/Rush
VBMS 7410	Andrology of Large Domestic Animals	3	Maxwell/Johnson
VBMS 7530	Experimental Techniques in Molecular and Cellular Biology	3	Bird
VBMS 7580	Surgical Pathology	1 to 3	Koehler
VBMS 7640	Mechanisms of Disease	3	Joiner
VBMS 7750	Graduate Colloquium in Veterinary Clinical Science	1	Gerken
VBMS 7830	Advanced Small Animal Medicine III	5	Bergman
VBMS 7940	Current Topics in Immunobiology	1	Suryawanshi
VBMS 8000	Advanced Small Animal Emergency and Critical Care Literature	1	Gerken
VBMS 8950	Biomedical Sciences Seminar	1	Bird
VBMS 8950	Biomedical Sciences Seminar	1	Panizzi

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VBMS 6111	Veterinary Anatomy	4	Akingbemi	
VBMS 7020	Microscopic Anatomy I	3	Foradori	
VBMS 7140	Physiology I	5	Schwartz	
VBMS 7300	Avian Diagnostic Pathology	1 to 3	Joiner	
VBMS 7310	Advanced Veterinary Anesthesiology	1	Clark-Price	
VBMS 7320	Evaluation of Current and Emerging Literature in Veterinary Anesthesia	1	Clark-Price	
VBMS 7480	Methods in Immunology	5	Suryawanshi	VBMS 7500
VBMS 7500	Cellular and Molecular Immunology	3	Suryawanshi	BIOL 6500
VBMS 7580	Surgical Pathology	1 to 3	Koehler	
VBMS 7680	Pathology Seminar	1	Koehler	VMED 5220
VBMS 7700	Combinatorial Biochemistry and Phage Display	4	Petrenko	
VBMS 7710	Advanced Eukaryotic Molecular Biology	3	Van Santen	VBMS 7520
VBMS 7750	Graduate Colloquium in Veterinary Clinical Science	1	Gerken	
VBMS 7810	Advanced Small Animal Medicine I	5	Grobman	
VBMS 7830	Advanced Small Animal Medicine III	5	Bergman	
VBMS 7840	Advanced Critical Care Medicine I: Pathophysiology	1	McMichael	
VBMS 7940	Current Topics in Immunobiology	1	Suryawanshi	
VBMS 8000	Advanced Small Animal Emergency and Critical Care Literature Review	1	Gerken	
VBMS 8360	Advanced Equine Medicine I: GI Disease	2	Sanchez	
VBMS 8480	Experimental Methods in Veterinary Medicine	3	Hofmeister	
VBMS 8950	Biomedical Sciences Seminar	1	Bird	
VBMS 8950	Biomedical Sciences Seminar	1	Panizzi	

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VBMS 6121	Veterinary Anatomy II	3	Mansour	
VBMS 7030	Microscopic Anatomy II	3	Zhong	
VBMS 7150	Physiology 2	4	Huang	VBMS 7140
VBMS 7160	Neuroscience	3	Biancardi	
VBMS 7180	Receptorology	4	Tao	VBMS 7070
VBMS 7230	Cutaneous Disorders of Large and Exotic Animals	3	White	
VBMS 7300	Avian Diagnostic Pathology	1 to 3	Joiner	
VBMS 7310	Advanced Veterinary Anesthesiology	1	Clark-Price	
VBMS 7320	Evaluation of Current and Emerging Literature in Veterinary Anesthesia	1	Clark-Price	
VBMS 7360	Advanced Large Animal Soft Tissue Surgery	5	Caldwell	
VBMS 7440	Advanced Equine Arthroscopic Surgery	5	Hanson	
VBMS 7480	Methods in Immunology	5	Suryawanshi	VBMS 7500
VBMS 7500	Cellular and Molecular Immunology	3	Suryawanshi	BIOL 6500
VBMS 7540	Current Topics in Molecular Virology	3	van Santen	VBMS 7540
VBMS 7580	Surgical Pathology	1 to 3	Koehler	
VBMS 7610	Advanced Clinical Pathology II	3	TBD	VMED 5230
VBMS 7680	Pathology Seminar	1	Koehler	VMED 5220
VBMS 7720	Development Molecular Biology	3	B. Smith	VBMS 7520
VBMS 7750	Graduate Colloquium in Veterinary Clinical Science	1	Gerken	
VBMS 7830	Advanced Small Animal Medicine III	5	Bergman	
VBMS 7840	Advanced Critical Care Medicine I: Pathophysiology	1	McMichael	
VBMS 8000	Advanced Small Animal Emergency and Critical Care Literature Review	1	Gerken	
VBMS 8950	Biomedical Sciences Seminar	1	Bird	
VBMS 8950	Biomedical Sciences Seminar	1	Panizzi	

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Course Number	Title of Course	Credit Hours	Course Coordinator
VBMS 7010	Pathways to Successful Research	1	Perkins
VBMS 7210	Radiation Biology	4	Almond
VBMS 7300	Avian Diagnostic Pathology	1 to 3	Joiner
VBMS 7320	Evaluation of Current and Emerging Literature in Veterinary Anesthesia	1	Clark-Price
VBMS 7350	Advanced Large Animal Urogenital Surgery	5	Rush
VBMS 7580	Surgical Pathology	1 to 3	Koehler
VBMS 7750	Graduate Colloquium in Veterinary Clinical Science	1	Gerken
VBMS 7830	Advanced Small Animal Medicine III	5	Bergman
VBMS 7940	Current Topics in Immunobiology	1	Suryawanshi
VBMS 8000	Advanced Small Animal Emergency and Critical Care Literature Review	1	Gerken
VBMS 8950	Biomedical Sciences Seminar	1	Bird
VBMS 8950	Biomedical Sciences Seminar	1	Panizzi