

## FALL 2017 COURSE SCHEDULE



### GRADUATE SCHOOL OF BIOMEDICAL SCIENCES

#### CELL AND MOLECULAR BIOLOGY (CMB) PROGRAM COURSES (15 HOURS/CREDIT)

CRN #	Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory, P/F = Pass/Fail						
<b>45268</b>	CMB 00701	<b>CORE: Graduate Biochemistry</b>	Borukhov <a href="mailto:borukhse@rowan.edu">borukhse@rowan.edu</a>	CMB Program students only	4 N	Tuesday & Thursday 2:30 PM – 4:30 PM Science Center Room 145
<b>45269</b>	CMB 00802	SKILL: Experimental Design	Moss <a href="mailto:mosseg@rowan.edu">mosseg@rowan.edu</a>	CMB Program students only 1 <sup>st</sup> year PhD students	2 N	Monday 1 PM – 3 PM Science Center Room 117
<b>45270</b>	CMB 00804	SKILL: Critical Readings in Cell and Molecular Biology	Temiakov <a href="mailto:temiakdm@rowan.edu">temiakdm@rowan.edu</a>	CMB Program students only 2 <sup>nd</sup> year PhD students	2 N	Monday 2:00 PM – 4:00 PM Science Center Room 145
<b>45271</b>	CMB 00811	FOCUS: Fundamentals of Neuroscience	Waterhouse <a href="mailto:waterhouse@rowan.edu">waterhouse@rowan.edu</a> Chandler <a href="mailto:chandlerd@rowan.edu">chandlerd@rowan.edu</a>	CMB Program students only 1 <sup>st</sup> & 2 <sup>nd</sup> year PhD students	2 N	Wednesday 2:00 PM – 4:00 PM Science Center Room 145
<b>45272</b>	CMB 00905	Lab Rotation Fall - CMB	Mentor	CMB Program students only	3 N	
<b>45273</b>	CMB 00910	Responsible Conduct in Research	Caradonna <a href="mailto:caradonn@rowan.edu">caradonn@rowan.edu</a>	Required for ALL PhD and MS Students	0 S/U	<i>Friday</i> 12:00 PM – 1:00 PM Class starts 10/6/17 and ends 12/15/17 Science Center Room 290
<b>45274</b>	CMB 00920	Research in Cell and Molecular Biology	Mentor	CMB Program students only	6 S/U	
<b>45275</b>	CMB 00999	Thesis Research / Ph.D.	Anikin <a href="mailto:anikinmi@rowan.edu">anikinmi@rowan.edu</a>	CMB Program students only	10 S/U	
<b>45276</b>	CMB 00699	MS Thesis Continuation (\$200 fee; NO tuition)	Mentor	CMB Program students only	1 - 9 S/U	Master of Science Thesis Continuation form required: <a href="#">Click Here for Form</a>

**COURSES HIGHLIGHTED IN YELLOW ARE NOT AVAILABLE FOR ONLINE REGISTRATION**

## FALL 2017 COURSE SCHEDULE

### BIOMEDICAL SCIENCES PROGRAM COURSES (15 HOURS/CREDIT)

CRN #	Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory, P/F = Pass/Fail						
<b>45277</b>	MBS 00501	<b>CORE: Biochemistry and Molecular Biology*</b>	Biswas <a href="mailto:biswassb@rowan.edu">biswassb@rowan.edu</a>	No	3 N	Thursday 5:00 PM – 8:00 PM Academic Center Room 279
<b>45278</b>	MBS 00502	<b>CORE: Cell Biology*</b>	Markov <a href="mailto:markovdm@rowan.edu">markovdm@rowan.edu</a>	No	3 N	Wednesday 5:00 PM – 8:00 PM Academic Center Room 279
<b>45279</b>	MBS 00610	<b>CORE: Microbiology*</b>	Henry <a href="mailto:henrymf@rowan.edu">henrymf@rowan.edu</a>	No	3 N	Monday 5:00 PM – 8:00 PM Academic Center Room 279
<b>45280</b>	MBS 00505	<b>CORE: Human Genetics*</b>	Ellis <a href="mailto:ellisre@rowan.edu">ellisre@rowan.edu</a>	No	3 N	Tuesday 5:00 PM – 8:00 PM Academic Center Room 279
<b>45281</b>	MBS 00609	Mechanism of Disease	Neary <a href="mailto:nearycl@rowan.edu">nearycl@rowan.edu</a>	MBS 501 & MBS502 (C or better)  Limited to 50 students	2 N	Thursday 5:00 PM – 7:00 PM UDP Room 3000
<b>45282</b>	MBS 00611	Pathophysiology of Cardiovascular System - <b>WILL BEGIN ON AUGUST 29</b>	Hock <a href="mailto:hock@rowan.edu">hock@rowan.edu</a>	MBS 503 (C or better);  <b>CANNOT ENROLL IF completed Medical Physiology</b>  Limited to 23 students	3 N	Tuesday 6:00 PM – 9:00 PM UDP Room 3000
<b>45283</b>	MBS 00614	Molecular Mechanisms of Aging	Markov <a href="mailto:markovdm@rowan.edu">markovdm@rowan.edu</a>	MBS 501, 502 & 503 (Must pass)	2 N	Monday 5:00 PM – 7:00 PM Science Center Room 145
<b>45284</b>	MBS 00615	Case Studies in Biology and Medicine	Caradonna <a href="mailto:caradonn@rowan.edu">caradonn@rowan.edu</a>	MBS 501, 502 & 503 (C or better)	3 N	Wednesday 5:00 PM – 8:00 PM Science Center Room 145
<b>45285</b>	MBS 00613	Independent Study	Mentor	Permission by Instructor	3 N	Letter of Agreement required: <a href="#">Click Here for Form</a>
<b>45286</b>	MBS 00680	Laboratory Research A - MBS	Mentor	Limited to MBS Students	2 N	Letter of Agreement required: <a href="#">Click Here for Form</a>
<b>45287</b>	MBS 00681	Laboratory Research B - MBS	Mentor	Limited to MBS Students	2 S/U	Letter of Agreement required: <a href="#">Click Here for Form</a>
<b>45273</b>	CMB 00910	Responsible Conduct in Research	Caradonna <a href="mailto:caradonn@rowan.edu">caradonn@rowan.edu</a>	ALL PhD and MS Students	0 S/U	<i>Friday</i> 12:00 PM – 1:00 PM Class starts 10/6/17 and ends 12/15/17 Science Center Room 290

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## FALL 2017 COURSE SCHEDULE

<b>45288</b>	MBS 00690	Thesis Research MSBS	Mentor	Limited to MSBS Students	5 <i>S/U</i>	
<b>45289</b>	MBS 00699	MS Thesis Continuation (\$200 fee; NO tuition)	Mentor	Limited to MSBS Students	1 - 9 <i>S/U</i>	Master of Science Thesis Continuation form required: <a href="#">Click Here for Form</a>

**\*BOLD COURSES DENOTE CORE COURSES. The cumulative average of all 8 designated core courses must be a minimum of 3.00 GPA to satisfy one of the degree requirements for the Master of Biomedical Sciences degree.**

### HISTOPATHOLOGY PROGRAM COURSES (15 HOURS/CREDIT)

CRN #	Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory, P/F = Pass/Fail						
<b>45277</b>	MBS 00501	Biochemistry and Molecular Biology	Biswas <a href="mailto:biswassb@rowan.edu">biswassb@rowan.edu</a>	No	3 <i>N</i>	Thursday 5:00 PM – 8:00 PM Academic Center Room 279
<b>45278</b>	MBS 00502	Cell Biology	Markov <a href="mailto:markovdm@rowan.edu">markovdm@rowan.edu</a>	No	3 <i>N</i>	Wednesday 5:00 PM – 8:00 PM Academic Center Room 279
<b>45279</b>	MBS 00610	Microbiology	Henry <a href="mailto:henrymf@rowan.edu">henrymf@rowan.edu</a>	No	3 <i>N</i>	Monday 5:00 PM – 8:00 PM Academic Center Room 279

<b>45281</b>	MBS 00609	Mechanism of Disease	Neary <a href="mailto:nearycl@rowan.edu">nearycl@rowan.edu</a>	MBS 501 & MBS 502 (C or better)  Limited to 50 students	2 <i>N</i>	Thursday 5:00 PM – 7:00 PM UDP Room 3000
<b>45290</b>	MHP 00614	Basic Animal Techniques	Demarest <a href="mailto:demarest@rowan.edu">demarest@rowan.edu</a>	MBS 501 & MBS 502 (C or better)  Histopatho- logy Program students only	4 <i>N</i>	Monday 9:00 AM – 11:00 AM  Wednesday and Friday 9:00 AM – 12:00 PM  Science Center Room 124
<b>45273</b>	CMB 00910	Responsible Conduct in Research	Caradonna <a href="mailto:caradonn@rowan.edu">caradonn@rowan.edu</a>	Required for ALL PhD and MS Students	0 <i>S/U</i>	<i>Friday</i> 12:00 PM – 1:00 PM <i>Class starts 10/6/17 and ends 12/15/17</i> Science Center Room 290
<b>46190</b>	MHP 00650	Histopathology Internship	Demarest <a href="mailto:demarest@rowan.edu">demarest@rowan.edu</a>	Limited to Histopatho- logy Program students only	3 <i>P/F</i>	

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## FALL 2017 COURSE SCHEDULE

### MOLECULAR PATHOLOGY AND IMMUNOLOGY PROGRAM COURSES (15 HOURS/CREDIT)

CRN #	Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory, P/F = Pass/Fail						
<b>45277</b>	MBS 00501	<b>CORE: Biochemistry and Molecular Biology*</b>	Biswas <a href="mailto:biswassb@rowan.edu">biswassb@rowan.edu</a>	No	3 N	Thursday 5:00 PM – 8:00 PM Academic Center Room 279
<b>45278</b>	MBS 00502	<b>CORE: Cell Biology*</b>	Markov <a href="mailto:markovdm@rowan.edu">markovdm@rowan.edu</a>	No	3 N	Wednesday 5:00 PM – 8:00 PM Academic Center Room 279
<b>45291</b>	MPI 00503	<b>CORE: Molecular Pathology and Immunology Seminar*</b>	Nickels <a href="mailto:jnickels@venenumbiodesign.com">jnickels@venenumbiodesign.com</a>	No	2 N	Wednesday 9:00 AM – 11:00 AM  GBG Campus** in HAMILTON, NJ
<b>45292</b>	MPI 00680	Mol Path and Immuno Lab Rotation I	Mentor	Mol Path and Immuno Program Students Only	1 N	GBG Campus** in HAMILTON, NJ
<b>45293</b>	MPI 00681	Mol Path and Immuno Lab Rotation II	Mentor	Mol Path and Immuno Program Students Only	1 N	GBG Campus** in HAMILTON, NJ
<b>45273</b>	CMB 00910	Responsible Conduct in Research	Caradonna <a href="mailto:caradonn@rowan.edu">caradonn@rowan.edu</a>	Required for ALL PhD and MS Students	0 S/U	Friday 12:00 PM – 1:00 PM Class starts 10/6/17 and ends 12/15/17
<b>45294</b>	MPI 00603	Mol Path and Immuno Readings II	Gallagher <a href="mailto:gallagherg@rowan.edu">gallagherg@rowan.edu</a> or <a href="mailto:g.gallagher@ibr-genetics.com">g.gallagher@ibr-genetics.com</a>	Readings in MPI-I	2 N	GBG Campus** in HAMILTON, NJ
<b>45295</b>	MPI 00690	Mol Path and Immuno Thesis Research	Mentor	Mol Path and Immuno Program Students Only	7 S/U	GBG Campus** in HAMILTON, NJ
<b>45296</b>	MPI 00699	<b>MS Thesis Continuation (\$200 fee; NO tuition)</b>	Mentor	<b>Mol Path and Immuno Program Students Only</b>	1 - 9 S/U	<b>Master of Science Thesis Continuation form required:</b> <a href="#">Click Here for Form</a>
<b>**The Genesis Biotechnology Group (GBG) educational sites are:</b> 1. Medical Diagnostics Laboratories (MDL) located at 2439 Kuser Road, Hamilton, NJ 08690 2. Waterview Building (WB) located at 1000 Waterview Drive, Hamilton, NJ 08691 <a href="http://www.mdlab.com/rowan_university/directions.html">http://www.mdlab.com/rowan_university/directions.html</a> (approximately 45 minutes from the Stratford Campus)						

**\*BOLD COURSES DENOTE CORE COURSES.** The cumulative average of all 4 designated core courses must be a minimum of 3.00 GPA to satisfy one of the requirements of the Master of Science in Molecular Pathology and Immunology degree.

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