

## FALL 2016 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>44112</b>	CMB 00701	<b>CORE: Graduate Biochemistry</b>	Borukhov <a href="mailto:borukhse@rowan.edu">borukhse@rowan.edu</a>	Biomedical Sciences program students by permission only	4 N	Tuesday & Thursday 2:30 PM – 4:30 PM Science Center Room 145
<b>44113</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 N	Monday 2:00 PM – 4:00 PM Science Center Room 145
<b>44114</b>	CMB 00805	FOCUS: Cell Culture and Stem Cells	Houbaviy <a href="mailto:houbavhr@rowan.edu">houbavhr@rowan.edu</a>	Biomedical Sciences program students by permission only	2 N	Wednesday 2:00 PM – 4:00 PM Science Center Room 145
<b>44115</b>	CMB 00901	Lab Rotation A - CMB	Mentor	CMB Program students only	1 N	
<b>44116</b>	CMB 00902	Lab Rotation B - CMB	Mentor	CMB Program students only	1 N	
<b>44117</b>	CMB 00903	Lab Rotation C - CMB	Mentor	CMB Program students only	1 N	Only DO/PhD students in the fall semester
<b>44118</b>	CMB 00904	Lab Rotation D - CMB, if necessary	Mentor	CMB Program students only	1 N	Only DO/PhD students in the fall semester
<b>45225</b>	CMB 00910	Responsible Conduct in Research	Caradonna <a href="mailto:caradonn@rowan.edu">caradonn@rowan.edu</a>	ALL Thesis Students	0 S/U	Will begin in October
<b>44119</b>	CMB 00920	Research in Cell and Molecular Biology	Mentor	CMB Program students only	5 S/U	
<b>44120</b>	CMB 00980	Thesis Research / DO-Ph.D.	Anikin <a href="mailto:anikinmi@rowan.edu">anikinmi@rowan.edu</a>	CMB Program students only	5 S/U	
<b>44121</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>44124</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="http://www.rowan.edu/som/gsbs/current/forms.php">http://www.rowan.edu/som/gsbs/current/forms.php</a>

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

## FALL 2016 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>44125</b>	MBS 00501	<b>CORE: Fundamentals of Biochem &amp; Mol Bio (I)</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>44126</b>	MBS 00502	<b>CORE: Fundamentals of Cell Biology (II)</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>44128</b>	MBS 00610	Microbiology	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>45032</b>	MBS 00603	Immunology	Demarest <a href="mailto:demarest@rowan.edu">demarest@rowan.edu</a>	Fund I, II, and III. Medical Physiology can substitute for Fund III. (C or better)	3 N	Friday 5:00 PM – 8:00 PM Academic Center Room 279
<b>44127</b>	MBS 00609	Mechanism of Disease	Neary <a href="mailto:nearycl@rowan.edu">nearycl@rowan.edu</a>	Fund I and II (C or better)  Limited to 50 students	2 N	Thursday 5:00 PM – 7:00 PM UDP Room 3000
<b>44129</b>	MBS 00611	Pathophysiology of Cardiovascular System - <b>WILL BEGIN ON AUGUST 23</b>	Hock <a href="mailto:hock@rowan.edu">hock@rowan.edu</a>	Fund III (C or better);  <b>CANNOT ENROLL IF registered in or completed Medical Physiology</b>  Limited to 23 students	3 N	Tuesday 6:00 PM – 9:00 PM UDP Room 3000
<b>44969</b>	MBS 00614	Molecular Mechanisms of Aging	Markov <a href="mailto:markovdm@rowan.edu">markovdm@rowan.edu</a>	Fund I, II, and III. Medical Physiology can substitute for Fund III. (Must pass)	2 N	Monday 5:00 PM – 7:00 PM Science Center Room 145
<b>45031</b>	MBS 00615	Case Studies in Biology and Medicine	Caradonna <a href="mailto:caradonn@rowan.edu">caradonn@rowan.edu</a>	Fund I, II, and III. Medical Physiology can substitute for Fund III. (C or better)	3 N	Wednesday 5:00 PM – 8:00 PM Science Center Room 145

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## FALL 2016 COURSE SCHEDULE

<b>44130</b>	MBS 00613	Independent Study in the Biomedical Sciences I	Mentor	Permission by Instructor	3 N	Letter of Agreement required: <a href="http://www.rowan.edu/som/gsbs/current/forms.php">http://www.rowan.edu/som/gsbs/current/forms.php</a>
<b>44131</b>	MBS 00680	Lab Rotation A - MBS	Mentor	Limited to MBS Students	2 N	Letter of Agreement required: <a href="http://www.rowan.edu/som/gsbs/current/forms.php">http://www.rowan.edu/som/gsbs/current/forms.php</a>
<b>44132</b>	MBS 00681	Lab Rotation B - MBS	Mentor	Limited to MBS Students	2 S/U	Letter of Agreement required: <a href="http://www.rowan.edu/som/gsbs/current/forms.php">http://www.rowan.edu/som/gsbs/current/forms.php</a>
<b>44133</b>	MBS 00690	Thesis Research MSBS	Mentor	Limited to MSBS Students	5 S/U	
<b>44134</b>	MBS 00699	MS Thesis Continuation (\$200 fee; NO tuition)	Mentor	Limited to MSBS Students	1 - 9 S/U	Master of Science Thesis Continuation form required: <a href="http://www.rowan.edu/som/gsbs/current/forms.php">http://www.rowan.edu/som/gsbs/current/forms.php</a>

### 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>44125</b>	MBS 00501	<b>CORE: Fundamentals of Biochem &amp; Mol Bio (I)</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>44126</b>	MBS 00502	<b>CORE: Fundamentals of Cell Biology (II)</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>44128</b>	MBS 00610	<b>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>45032</b>	MBS 00603	Immunology	Demarest <a href="mailto:demarest@rowan.edu">demarest@rowan.edu</a>	Fund I, II, and III (C or better)	3 N	Friday 5:00 PM – 8:00 PM Academic Center Room 279
<b>44127</b>	MBS 00609	Mechanism of Disease	Neary <a href="mailto:nearycl@rowan.edu">nearycl@rowan.edu</a>	Fund I and II (C or better)  Limited to 50 students	2 N	Thursday 5:00 PM – 7:00 PM UDP Room 3000
<b>44154</b>	MHP 00614	Basic Animal Techniques	Demarest <a href="mailto:demarest@rowan.edu">demarest@rowan.edu</a>	Fund I and II (C or better)  Histopathology Program students only	4 N	Monday, Tuesday and Thursday 2:00 PM – 4:00 PM Science Center Room 124

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

## FALL 2016 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>44125</b>	MBS 00501	<b>CORE: Fundamentals of Biochem &amp; Mol Bio (I)</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>44126</b>	MBS 00502	<b>CORE: Fundamentals of Cell Biology (II)</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>44155</b>	MPI 00503	<b>CORE: Mol Path and Immuno Seminar</b>	Nickels <a href="mailto:jnickels@venenumbiodesign.com">jnickels@venenumbiodesign.com</a>	No	2  N	Wednesday 9:00 AM – 11:00 AM  MDL Campus** in HAMILTON, NJ
<b>44156</b>	MPI 00680	Mol Path and Immuno Lab Rotation I	Mentor	Mol Path and Immuno Program Students Only	1  N	MDL Campus** in HAMILTON, NJ
<b>44157</b>	MPI 00681	Mol Path and Immuno Lab Rotation II	Mentor	Mol Path and Immuno Program Students Only	1  N	MDL Campus** in HAMILTON, NJ
<b>44158</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	MDL Campus** in HAMILTON, NJ
<b>44159</b>	MPI 00690	Mol Path and Immuno Thesis Research	Mentor	Mol Path and Immuno Program Students Only	5  S/U	MDL Campus** in HAMILTON, NJ
<b>45075</b>	MPI 00699	MS Thesis Continuation (\$200 fee; NO tuition)	Mentor	Mol Path and Immuno Program Students Only	1 - 9  S/U	Master of Science Thesis Continuation form required: <a href="http://www.rowan.edu/som/gsbs/current/forms.php">http://www.rowan.edu/som/gsbs/current/forms.php</a>
<b>**The Medical Diagnostics Lab (MDL) Campus is located at 2439 Kuser Road, Hamilton, NJ 08690 <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)</b>						

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## FALL 2016 COURSE SCHEDULE

### SCHOOL OF OSTEOPATHIC MEDICINE COURSES (20 HOURS PER CREDIT + 25 HOURS/CREDIT FOR LAB OR SMALL GROUP)

CRN #	Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory, P/F = Pass/Fail						
<b>44160</b>	MBS 00671	Medical Physiology	Podolin <a href="mailto:podolide@rowan.edu">podolide@rowan.edu</a>	Permission of Instructor.  Limited to 10 students  \$33 Course Fee plus Tuition	6  N	See SOM 1 <sup>st</sup> year online schedule at: <a href="https://rowansom.one45.com/cal/">https://rowansom.one45.com/cal/</a> (August to April)
<b>44161</b>	MBS 00672	Human Gross Anatomy (HGA; COMPLETE COURSE)	Carsia <a href="mailto:carsiario@rowan.edu">carsiario@rowan.edu</a>	No  Limited to 18 students combined with MBS 00673  \$332 Course Fee plus Tuition	7  N	See SOM 1 <sup>st</sup> year online schedule at: <a href="https://rowansom.one45.com/cal/">https://rowansom.one45.com/cal/</a> (tentative mid-October to May)
<b>44162</b>	MBS 00673	HGA Module 1: Intro, Thorax, Urinary System	Carsia <a href="mailto:carsiario@rowan.edu">carsiario@rowan.edu</a>	No  Limited to 18 students combined with MBS 00672  \$83 Course Fee plus Tuition	1  N	See SOM 1 <sup>st</sup> year online schedule at: <a href="https://rowansom.one45.com/cal/">https://rowansom.one45.com/cal/</a> (tentative mid-October to December)

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## FALL 2016 COURSE SCHEDULE

### Rutgers, The State University of New Jersey Exchange Courses

*Students must complete the appropriate Rowan-Rutgers Cross Enrollment Form to enroll in these courses: <http://www.rowan.edu/som/gsbstrat/forms.htm>. Afterwards, please bring, fax or scan your signed Rowan-Rutgers Cross Enrollment Form to the GSBS office for processing.*

#### RUTGERS-CAMDEN GRADUATE SCHOOL OF ARTS AND SCIENCES MASTER OF SCIENCE PROGRAM IN BIOLOGY 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>44163</b>	56:120:530	Molecular Carcinogenesis	Klein <a href="mailto:eric.a.klein@rutgers.edu">eric.a.klein@rutgers.edu</a>	No	3 N	Thursday 6:00PM – 8:40 PM FA-225

Please download and complete the “[Rutgers-Camden/RowanGSBS Exchange Registration Form](#)” for enrollment and submit it to the GSBS Office for processing.

#### RUTGERS SCHOOL OF PUBLIC HEALTH MASTER OF PUBLIC HEALTH COURSES (15 HOURS/CREDIT)

Course #	Title	Credits	Days / Hours / Location
PHCO-0502J	Introduction to Epidemiology	3	See <a href="http://sph.rutgers.edu/">http://sph.rutgers.edu/</a> for details.
PHCO-0503J	Introduction to Environmental Health	3	See <a href="http://sph.rutgers.edu/">http://sph.rutgers.edu/</a> for details.
PHCO-0504J	Introduction to Biostatistics	3	See <a href="http://sph.rutgers.edu/">http://sph.rutgers.edu/</a> for details.

Please download the “[Consortium Agreement Between RowanGSBS and Rutgers School of Public Health](#)” for enrollment instructions and submit it to the GSBS Office for processing.

In short, you will seek approval from RowanGSBS to enroll in a course at Rutgers School of Public Health. Once the course is complete, you will provide the RowanGSBS with the [Application to Transfer Credit](#) and your official Rutgers transcript to transfer the credits. Course credits, not grades or quality points, will be transferred, if the student earns a grade of B (3.00) or better. Only 6 credits total can be transferred into the Master of Biomedical Sciences program at RowanGSBS. Your GPA will not change.

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