## SPRING 2019 COURSE SCHEDULE

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

Courses start January 7, 2019

<table>
<thead>
<tr>
<th>CRN #</th>
<th>Course #</th>
<th>Title</th>
<th>Instructor</th>
<th>Prerequisites</th>
<th>Credits</th>
<th>Grade Mode</th>
<th>Days/Hours</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>25299</td>
<td>CMB 00702</td>
<td>CORE: Molecular Biology of the Cell</td>
<td>Henry <a href="mailto:henrymf@rowan.edu">henrymf@rowan.edu</a></td>
<td>CMB Program students only</td>
<td>4</td>
<td>L</td>
<td>Tuesday &amp; Thursday 9:30 AM – 11:30 AM</td>
<td>Science Center Room 145</td>
</tr>
<tr>
<td>25301</td>
<td>CMB 00803</td>
<td>SKILL: Scientific Writing</td>
<td>Shcherbik <a href="mailto:shcherna@rowan.edu">shcherna@rowan.edu</a> Loweth <a href="mailto:loweth@rowan.edu">loweth@rowan.edu</a></td>
<td>CMB Program students only 1st year students</td>
<td>2</td>
<td>L</td>
<td>Wednesday 1 PM – 3 PM</td>
<td>Science Center Room 145</td>
</tr>
<tr>
<td>25307</td>
<td>CMB 00920</td>
<td>Research in Cell and Molecular Biology</td>
<td>Mentor</td>
<td></td>
<td>6</td>
<td>S/U</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25309</td>
<td>CMB 00999</td>
<td>Thesis Research / Ph.D.</td>
<td>Anikin <a href="mailto:anikinmi@rowan.edu">anikinmi@rowan.edu</a></td>
<td></td>
<td>10</td>
<td>S/U</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25310</td>
<td>CMB 00699</td>
<td>MS Thesis Continuation ($200 fee; NO tuition)</td>
<td>Mentor</td>
<td>Cell and Molecular Biology program students only</td>
<td>1 - 9</td>
<td>S/U</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Grade Modes: **L** = Normal; **S/U** = Satisfactory/Unsatisfactory; **P/F** = Pass/Fail

**NOTE:** COURSES HIGHLIGHTED IN YELLOW ARE NOT AVAILABLE FOR ONLINE REGISTRATION.
## BIOMEDICAL SCIENCES PROGRAM COURSES (15 HOURS/CREDIT)

**Courses start January 22, 2019**

<table>
<thead>
<tr>
<th>CRN  #</th>
<th>Course #</th>
<th>Title</th>
<th>Instructor</th>
<th>Prerequisites</th>
<th>Credits</th>
<th>Grade Mode</th>
<th>Days/Hours Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>25312</td>
<td>MBS 00503</td>
<td><strong>REQUURED:</strong> Systems Physiology</td>
<td>Yin <a href="mailto:yinki@rowan.edu">yinki@rowan.edu</a></td>
<td>Current Students: MBS 501 and MBS 502 (C or better) New Students: Permission of Instructor</td>
<td>3</td>
<td>L</td>
<td>Tuesday 5:00 PM – 8:00 PM Academic Center Room 279</td>
</tr>
<tr>
<td>25314</td>
<td>MBS 00603</td>
<td><strong>REQUIRED:</strong> Immunology</td>
<td>Demarest <a href="mailto:demarest@rowan.edu">demarest@rowan.edu</a></td>
<td>MBS 501 and MBS 502 (C or better)</td>
<td>3</td>
<td>L</td>
<td>Thursday 5:00 PM – 8:00 PM Academic Center Room 279</td>
</tr>
<tr>
<td>25316</td>
<td>MBS 00616</td>
<td><strong>REQUIRED:</strong> Biomedical Data Analysis</td>
<td>Houbaviy <a href="mailto:houbavhr@rowan.edu">houbavhr@rowan.edu</a></td>
<td>No</td>
<td>2</td>
<td>L</td>
<td>Monday 5:00 PM – 7:00 PM Academic Center Room 279</td>
</tr>
<tr>
<td>25317</td>
<td>MBS 00506</td>
<td><strong>REQUIRED:</strong> Biomedical Anatomy</td>
<td>Fischer <a href="mailto:fischeje@rowan.edu">fischeje@rowan.edu</a></td>
<td>No</td>
<td>3</td>
<td>L</td>
<td>Wednesday 5:00 PM – 8:00 PM Academic Center Room 279</td>
</tr>
<tr>
<td>25318</td>
<td>MBS 00602</td>
<td>Antimicrobial Drugs: Mechanisms of action and resistance</td>
<td>Borukhov <a href="mailto:borukhse@rowan.edu">borukhse@rowan.edu</a></td>
<td>Microbiology recommended Compliments Pharmacology</td>
<td>3</td>
<td>L</td>
<td>Tuesday 5:00 PM – 8:00 PM Science Center Room 145</td>
</tr>
<tr>
<td>25558</td>
<td>MBS 00612</td>
<td>Principles of Pharmacology</td>
<td>Spur <a href="mailto:spurbw@rowan.edu">spurbw@rowan.edu</a></td>
<td>No</td>
<td>3</td>
<td>L</td>
<td>Thursday 5:30 PM – 8:30 PM Academic Center Auditorium</td>
</tr>
<tr>
<td>25321</td>
<td>MBS 00613</td>
<td>Independent Study</td>
<td>Mentor</td>
<td>Permission by Investigator</td>
<td>3</td>
<td>L</td>
<td>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></td>
</tr>
<tr>
<td>25323</td>
<td>MBS 00680</td>
<td>Laboratory Research A - MBS</td>
<td>Mentor</td>
<td>Permission by Investigator</td>
<td>2</td>
<td>L</td>
<td>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></td>
</tr>
</tbody>
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### SPRING 2019 COURSE SCHEDULE

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

Courses start January 22, 2019 except**

<table>
<thead>
<tr>
<th>CRN #</th>
<th>Course #</th>
<th>Title</th>
<th>Instructor</th>
<th>Prerequisites</th>
<th>Credits</th>
<th>Grade Mode</th>
<th>Days/Hours Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>25311</td>
<td>MHP 00650</td>
<td>Histopathology Internship</td>
<td>Demarest <a href="mailto:demarest@rowan.edu">demarest@rowan.edu</a></td>
<td>Histopathology Program students only</td>
<td>3</td>
<td>P/F</td>
<td><strong>STARTS on January 7</strong></td>
</tr>
<tr>
<td>25320</td>
<td>MHP 00610</td>
<td>Basic Laboratory Techniques – Biology</td>
<td>Demarest <a href="mailto:demarest@rowan.edu">demarest@rowan.edu</a> Neary <a href="mailto:nearycl@rowan.edu">nearycl@rowan.edu</a></td>
<td>MBS 501 and MBS 502 (C or better) Histopathology Program students only</td>
<td>3</td>
<td>L</td>
<td>Monday 2:00 PM - 5:00 PM Science Center Room 122</td>
</tr>
<tr>
<td>25322</td>
<td>MHP 00611</td>
<td>Histology I: Basic Tissue Types</td>
<td>Neary <a href="mailto:nearycl@rowan.edu">nearycl@rowan.edu</a></td>
<td>MBS 501 and MBS 502 (C or better) Histopathology Program students only</td>
<td>3</td>
<td>L</td>
<td>Tuesday &amp; Thursday 12:00 PM – 2:00 PM Tuesdays - SC 145 Thursdays - AC 347</td>
</tr>
<tr>
<td>25315</td>
<td>MHP 00615</td>
<td>Advanced Laboratory Animal Techniques</td>
<td>Demarest <a href="mailto:demarest@rowan.edu">demarest@rowan.edu</a></td>
<td>MHP 610, MHP 611, MHP 612, and MHP 614 Histopathology Program students only</td>
<td>4</td>
<td>L</td>
<td>Tuesday 9:00 AM-1:00 PM AND Friday 1:00 PM- 5:00 PM Science Center Room 122</td>
</tr>
<tr>
<td>25313</td>
<td>MHP 00613</td>
<td>Histology III: Organ Systems</td>
<td>Neary <a href="mailto:nearycl@rowan.edu">nearycl@rowan.edu</a></td>
<td>MHP 611 and MBS 503 Histopathology Program students only</td>
<td>3</td>
<td>L</td>
<td>Tuesday 2:00 PM -5:00 PM Academic Center Room 347</td>
</tr>
<tr>
<td>25308</td>
<td>MHP 00616</td>
<td>Topics in Pathology</td>
<td>Neary <a href="mailto:nearycl@rowan.edu">nearycl@rowan.edu</a></td>
<td>MBS 609 Co-Requisite: MHP 613 Histopathology Program students only</td>
<td>2</td>
<td>L</td>
<td>Monday 3:00 PM-5:00 PM Science Center Room 145</td>
</tr>
</tbody>
</table>

Grade Modes:  L = Normal; S/U = Satisfactory/Unsatisfactory; P/F = Pass/Fail

**COURSES HIGHLIGHTED IN YELLOW ARE NOT AVAILABLE FOR ONLINE REGISTRATION**
**SPRING 2019 COURSE SCHEDULE**

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

Courses start January 22, 2019

<table>
<thead>
<tr>
<th>CRN #</th>
<th>Course #</th>
<th>Title</th>
<th>Instructor</th>
<th>Prerequisites</th>
<th>Credits</th>
<th>Grade Mode</th>
<th>Days/Hours</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>25306</td>
<td>MPI 00504</td>
<td>*CORE: Topics in Molecular Pathology &amp; Immunology</td>
<td>Nickels <a href="mailto:nickels@rowan.edu">nickels@rowan.edu</a> <a href="mailto:jnickels@mdlab.com">jnickels@mdlab.com</a> Bommireddy Venkata <a href="mailto:bommireddyvenkata@rowan.edu">bommireddyvenkata@rowan.edu</a> <a href="mailto:ygrbv@Oncoveda.com">ygrbv@Oncoveda.com</a></td>
<td>No</td>
<td>4</td>
<td>L</td>
<td>Tuesday and Thursday 10:00 AM – 12:00 PM</td>
<td>GBG Campus** in HAMILTON, NJ</td>
</tr>
<tr>
<td>25302</td>
<td>MPI 00601</td>
<td>Techniques in Molecular Diagnostics</td>
<td>Nickels <a href="mailto:nickels@rowan.edu">nickels@rowan.edu</a> <a href="mailto:jnickels@mdlab.com">jnickels@mdlab.com</a></td>
<td>No</td>
<td>2</td>
<td>L</td>
<td>Monday-Friday AS NEEDED</td>
<td>GBG Campus** in HAMILTON, NJ</td>
</tr>
<tr>
<td>25303</td>
<td>MPI 00685</td>
<td>Molecular Pathology &amp; Immunology Research I</td>
<td>Mentor MPI Program Students Only</td>
<td>1</td>
<td></td>
<td>L</td>
<td></td>
<td>GBG Campus** in HAMILTON, NJ</td>
</tr>
<tr>
<td>25300</td>
<td>MPI 00699</td>
<td>MS Thesis Continuation ($200 fee; NO tuition)</td>
<td>Mentor MPI Program Students Only</td>
<td>1 - 9</td>
<td>S/U</td>
<td></td>
<td>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></td>
<td></td>
</tr>
</tbody>
</table>

**Grade Modes:** L = Normal; S/U = Satisfactory/Unsatisfactory; P/F = Pass/Fail

**The Genesis Biotechnology Group (GBG) educational sites are:**

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
   (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.*

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