The ICRE course schedule provides class listings and associated course information. The course information shared on this schedule is updated regularly to reflect any programmatic changes. Occasionally the University of Pittsburgh’s official Course Catalogue will show different information than what is provided below. Please always rely on this schedule as the most accurate listing of our courses.

Please familiarize yourself with the terminology used in the course schedule:

<table>
<thead>
<tr>
<th>Traditional Course</th>
<th>Students attend in-person lectures, recitations, and labs. Work done online at home is limited to course reading, homework and review.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hybrid Course</td>
<td>Students attend in-person small group sessions. Lecture videos, course reading, homework and review are done online. This format reduces the time spent physically in class.</td>
</tr>
<tr>
<td>Flex Choice</td>
<td>Students are able to attend in-person lectures or view prerecorded lectures online.</td>
</tr>
<tr>
<td>Group A</td>
<td>Students are split into two groups prior to the start of term. These groups are determined by student preference and seat availability. Due to the large enrollment in our summer courses, creating subgroups within our courses allows for a richer student experience.</td>
</tr>
<tr>
<td>Group B</td>
<td></td>
</tr>
<tr>
<td>Small Group Session</td>
<td>In-person sessions that involve small group work and discussion.</td>
</tr>
<tr>
<td>Open Lab Sessions</td>
<td>Time periods when teaching assistants will be available in the computer lab to assist students with lab assignments. Students are able to attend open lab sessions when it is most convenient for their schedules.</td>
</tr>
<tr>
<td>Recitation</td>
<td>Presentation by a teaching assistant or instructor that supplements course materials. Please reference schedule for mandatory and optional recitation sessions.</td>
</tr>
</tbody>
</table>

General Enrollment Information:
- All students have five business days after the start of a course to add/drop the course.
- Students may take other courses offered by the University, subject to approval by their advisor and the Institute for Clinical Research Education.
- University offices are closed on Memorial Day (5/25) and Independence Day (7/3).
- Please email icre@pitt.edu with questions regarding the ICRE course schedule.
<table>
<thead>
<tr>
<th>Format</th>
<th>Class Number</th>
<th>Subject / Catalog Number</th>
<th>Course Title</th>
<th>Course Format and Days / Time</th>
<th>Room / Building</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
</table>
| Hybrid | 16710        | CLRES 2005               | Computer Methods in Clinical Research | **Introductory Session**  
  *July 1*  
  **Group A**  
  9:00 AM – 12:00 PM  
  **Group B**  
  12:00 PM – 3:00 PM  
  **Group C**  
  3:00 PM – 6:00 PM | Parkvale 222 | Scott Rothenberger | 1 |
| Hybrid | 16715        | CLRES 2010               | Clinical Research Methods | **Small Group Sessions**  
  M,W,F*  
  July 1 - August 21  
  **Group A**  
  10:30 AM - 11:30 AM  
  **Group B**  
  11:45 AM - 12:45 PM | | Kathleen McTigue  
  Kenneth Smith  
  Gretchen White | 3 |
<table>
<thead>
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</tr>
</thead>
</table>
| Flex    | 16713        | CLRES 2020               | Biostatistics                              | Lectures  
M, W, F  
July 3 - August 21  
8:30 AM – 10:00 AM  
PUBHL G23  
Recitation  
Tu, Th  
July 9 - August 20  
Group A  
11:30 AM – 12:30 PM  
Group B  
1:30 PM – 2:30 PM  
Parkvale 305 A/B  
Open Lab Sessions  
M  
July 6 - August 17  
2:00 PM – 5:00 PM  
Parkvale 222 | Dependent on session type – see previous column | Joyce Chang, Jonathan Yabes | 4 |
| Hybrid  | 16700        | CLRES 2040               | Measurement in Clinical Research           | First and Last Session Held as Large Group  
Th  
July 2 & August 20  
8:30 AM - 10:30 AM  
PUBHL A115  
Small Group Sessions  
Th  
July 9 – August 13  
Parkvale 305 A/B  
Group A  
8:30 AM - 9:30 AM  
Group B  
9:45 AM - 10:45 AM  | Dependent on session type – see previous column | Galen Switzer | 1 |
<p>| Other   | 16656        | CLRES 2080               | Master's Thesis Research*                  | Please see instructor.                                                                        |                | Doris Rubio                            | 1 – 3   |
| Other   | 16657        | CLRES 2085               | Independent Study*                         | Please see instructor.                                                                        |                | Doris Rubio                            | 1 – 3   |
| Other   | 16698        | CLRES 2086               | Clinical Research Teaching Practicum*      | Please see instructor.                                                                        |                | Doris Rubio                            | 0.5-3   |
| Other   | 16658        | CLRES 2124               | Directed Study in DA &amp; CEA                | Please see instructor.                                                                        |                | Cindy Bryce, Mark Roberts, Ken Smith | 1-3     |</p>
<table>
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<tr>
<td>Other</td>
<td>16659</td>
<td>CLRES 2320</td>
<td>Clinical Trials Practicum*</td>
<td>Please see instructor.</td>
<td></td>
<td>Kaleab Abebe</td>
<td>2-3</td>
</tr>
</tbody>
</table>
| Traditional | 16696      | CLRES 2601               | Principles and Practice of Palliative Care – Part I | M 4:00 PM - 5:00 PM
July 12 – October 5
No class 9/7
4:30 PM - 5:30 PM
October 12 – November 2 | Iroquois 405 | Rene Claxton | 1 |
| Traditional | 16699      | CLRES 2700               | Fundamentals of Bench Research** | M, Tu, W, Th, F
9:00 AM - 5:00 PM
July 20 – August 3 | BST S123 | Janet Lee, Yingze Zhang | 2 |
| Other  | 16660        | CLRES 2725               | Translational Research Practicum* | Please see instructor.          |                 | Janet Lee | 1-3     |
| Other  | 16661        | CLRES 3010               | PhD Independent and Directed Research* | Please see instructor.          |                 | Galen Switzer | 1-6     |
| Other  | 18162        | CLRES 3010               | PhD Independent and Directed Research* | Please see instructor.          |                 | Galen Switzer | 1-6     |
| Other  | 16663        | CLRES 3040               | PhD Dissertation Research* | Please see instructor.          |                 | Galen Switzer | 1-14    |

*Requires program approved proposal prior to registration.

**Requires additional registration, contact Terri Dobransky (dobranskya@upmc.edu) for more information.

**Suggested list of Pitt departments to review course offerings:**

Department of Behavioral and Community Health Sciences (BCHS)
Department of Infectious Diseases and Microbiology (IDM)
The Center for Bioethics and Health Law (BIOETH)
Interdisciplinary Biomedical Graduate Program (INTBP)
Department of Biostatistics (BIOST)
Biochemistry and Molecular Genetics Graduate Program (MSBMG)
Department of Epidemiology (EPIDEM)
Cell Biology and Molecular Physiology Graduate Program (MSCBMP)
Department of Health Policy and Management (HPM)
Graduate Program in Immunology (MSIMM)
Department of Human Genetics (HUGEN)
Department of Pharmacology and Chemical Biology (MSMPHL)
Graduate Program in Molecular Virology and Microbiology (MSMVM)  School of Pharmacy (PHARM)

Students can use the Pitt Class Search to view Pitt classes online.