



# Charles R. Drew University of Medicine and Science

## Longitudinal Primary Care Research

### Medical Student Research Thesis Program (MSRTP) Syllabus

#### Class of 2021

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<b>MSRTP Overview</b>	The CDU/UCLA Medical Education Program is committed to preparing excellent physicians by providing exceptional clinical research and practical training for individuals interested in serving urban, medically disadvantaged populations. Students enrolled in the College are required to engage in longitudinal research activity under the auspices of the Medical Student Research Thesis Program (MSRTP), which culminates in the submission of a thesis.
<b>MSRTP Goals</b>	The overall goal of the MSRTP is to engage medical students in the systematic acquisition, organization, analysis, and interpretation of information to develop new knowledge, attitude, and skills essential for becoming outstanding physicians, providing first-rate medical care, and becoming leaders in their fields.
<b>MSRTP Objectives</b>	<ol style="list-style-type: none"> <li>1. Describe fundamentals of scientific inquiries.</li> <li>2. Conduct ethical research.</li> <li>3. Use information technology to incorporate library resources and services into the research process, and optimize learning</li> <li>4. Locate and appraise evidence from scientific studies related to patients' health problems, health outcomes</li> <li>5. Develop, manage, engage in an independent research project.</li> <li>6. Demonstrate capacity for scientific reasoning, interpreting scientific data, and skills to critically appraise existing medical information.</li> <li>7. Communicate scientific findings</li> </ol>
<b>Potential Areas of Research</b>	Following a bench-to-bedside approach to translational research, students have many options in choosing a health disparities-related mentored research project in various areas such as the basic science, clinical, bio-behavioral/psychosocial, environmental, public policy, and educational research.
<b>Mentored Research</b>	The MSRTP requires medical students to link with faculty mentors to explore areas of research, create new knowledge, and contribute to the academic environment. We encourage students to seek two types of mentors: 1) a content mentor with strong expertise in the student's area of clinical interest, and 2) a research mentor with research training and experience.

<b>Dual-Degree Students</b>	<p>All students are required to complete a research project, though students who complete a second academic degree during medical school may elect to apply their dual-degree experience in fulfillment of the research project requirement. These students need to meet with the MSRTP Chair to develop an individualized implementation plan as part of their requirement review process.</p> <p>The 3<sup>rd</sup> year grading requirement for this group is:</p> <ol style="list-style-type: none"> <li>1. Meet class schedules and complete in class assignments.</li> <li>2. Complete CITI IRB certification.</li> <li>3. Keep abreast of personal timelines.</li> </ol>
<b>Collaborative Research</b>	<p>Students may collaborate with each other, which is expected to result in two separate theses.</p>
<b>Individualized Guided Research Track (IGRT)</b>	<p>The purpose of the MSRTP Individualized Guided Research Track (IGRT) is to provide an option for students who are currently enrolled in the Longitudinal Primary Care Research clerkship. These students already have been conducting research under the guidance and direction of a qualified faculty mentor or mentors. The IGRT is entirely voluntary, and uses alternative instructional strategies aligned with individual student needs in developing critical research skills. The flexibility of independent research facilitates the efforts of students who have already made substantial progress towards implementing a research project or are in the process of reporting the results of their research in the form of writing a manuscript to be submitted to a peer-reviewed journal. The MSRTP Chair will determine whether proposed projects are consistent with Program aims and requirements. Students who apply for this track need to meet with the MSRTP Chair to develop an individualized implementation plan as part of their requirement review process.</p>
<b>Tuesday Research Format</b>	<p>The sessions will take place on Tuesday afternoons (one for Path 1 and a similar session for Path 2 students) from September to March. <b>Research Session Hours: 1:00 ~ 5:00 p.m.</b></p>
<b>Suggested Textbook</b>	<ol style="list-style-type: none"> <li>1. Introduction to Health Research Methods: A Practical Guild. Kathryn H. Jacobsen. (2012). Canada: Jones &amp; Bartlett Learning.</li> <li>2. Designing Clinical Research: An Epidemiological Approach. Hulley B Stephen, Steven R Cummings, Warren S Browner, Deborah Grady, Norman Hearst, &amp; Newman, T. B. (2001). Designing Clinical Research (2nd ed.). New York: Lippincott Williams &amp; Wilkins.</li> </ol>
<b>Grading</b>	<p>Student academic performance is evaluated using a Pass/Incomplete/Fail grading system. <i>Grades are submitted by the: MSRTP Chair using the UCLA MyCourse portal.</i></p> <p><b>Grading for PR 011 during the 3<sup>rd</sup> year:</b> To receive a “Pass” for PR011, students must have an approved Research Protocol by <b>June 1<sup>st</sup></b>. [This is indicated by receiving a letter of approval by the Chair]</p> <p><b>To receive a “Pass” for 4<sup>th</sup> year thesis requirement, student must:</b></p> <ol style="list-style-type: none"> <li>1. Submit an abstract for UCLA Scholarship Day</li> <li>2. Participate in and present at the CDU Annual Medical Student Research Colloquium</li> <li>3. Participate in and present at UCLA Scholarship Day</li> <li>4. Receive a passing grade on EP650 (At least 6 weeks of Research Elective)</li> </ol>

	5. Submit a mentor- and Chair-approved research thesis by <b>May 1st</b>
<b>Interpersonal Interaction Guidelines</b>	<ol style="list-style-type: none"> <li>1. Gryphon: Course Code: PR011_1920, Course Name: Primary Care Research @ Drew (Class of 2021)</li> <li>2. Regular correspondence via email.</li> <li>3. Regular scheduled meetings with mentors.</li> <li>4. Regular meetings with Program Chair.</li> </ol>
<b>Class Meetings and Absences</b>	<ol style="list-style-type: none"> <li>1. Mandatory participation in Research Sessions.</li> <li>2. <b>One excused</b> absence is allowed. Please notify the Program Chair by sending an email, or call the MSRTP office @ 323-563-4965. Students who miss a session must complete assigned homework submit deliverables on time, otherwise they will receive an incomplete on the course.</li> </ol>
<b>Medical Student Research Thesis Program Award</b>	<p>This will be presented to the top three graduating seniors who:</p> <ul style="list-style-type: none"> <li>• Meet all research requirements with punctuality.</li> <li>• Demonstrate exemplary ability to perform original, independent research with high level of organization, and professionalism.</li> <li>• Produce highest quality scholarly thesis.</li> </ul>

Path 1 White Band  
Path 2: Gray Band

## Longitudinal Primary Care Research

### CO 2021: 3<sup>rd</sup> Yr. Schedule

#	DATE (2019-2020)	PATH	PRESENTER	TOPIC
1	Sep/10/19 1:00 Pm to 5:00 Pm	Path 1	Shahrzad Bazargan-Hejazi, PhD Sukrit Mukherjee Junko Nishitani, PhD Magda Shaheen, MD, PhD Roberto Vargas, MD	<ul style="list-style-type: none"> <li>• Overview of the Course Syllabus/ MSRTP Websites</li> <li>• Selecting a Research Question</li> <li>• Literature Review</li> <li>• Finding CDU Faculty Mentors; CDU Profile</li> <li>• Office of Research Integrity and Compliance</li> <li>• Stat and Research Design Team Introduction</li> <li>• Health Policy</li> </ul>
2	Sep/17/19 1:00 Pm to 5:00 Pm	Path 2	Shahrzad Bazargan-Hejazi, PhD Magda Shaheen, MD, PhD Sukrit Mukherjee Junko Nishitani, PhD Roberto Vargas, MD	<ul style="list-style-type: none"> <li>• Overview of the Course Syllabus/ MSRTP Websites</li> <li>• Selecting a Research Question</li> <li>• Literature Review</li> <li>• Finding CDU Faculty Mentors; CDU Profile</li> <li>• Office of Research Integrity and Compliance</li> <li>• Stat and Research Design Team Introduction</li> <li>• Health Policy</li> </ul>
3	Oct/08/19 1:00 Pm to 5:00 Pm	Path 1	Sheba George, PhD Chizobam Ani, MD, PhD Mentor Advisement	<ul style="list-style-type: none"> <li>• Qualitative Study Approach</li> <li>• Types of Studies and Approaches and Analytic Implications</li> <li>• Protective time to meet with one's faculty mentor</li> </ul>
4	Oct/15/19 1:00 Pm to 5:00 Pm	Path 2	Sheba George, PhD Chizobam Ani, MD, PhD Mentor Advisement	<ul style="list-style-type: none"> <li>• Qualitative Study Approach</li> <li>• Types of Studies and Approaches and Analytic Implications</li> <li>• Protective time to meet with one's faculty mentor</li> </ul>
5	Oct/22/19 1:00 Pm to 5:00 Pm	Path 2	Chizobam Ani, MD, PhD Mentor Advisement	<ul style="list-style-type: none"> <li>• Review of Study Approaches Including Statistical Implications</li> <li>• Protective time to meet with one's faculty mentor</li> </ul>
6	Jan/14/20 1:00 Pm to 5:00 Pm	Path 2	Magda Shaheen, M.D., PhD. Mentor Advisement	<ul style="list-style-type: none"> <li>• Descriptive &amp; Inferential Statistics: Hands on SPSS</li> <li>• Protective time to meet with one's faculty mentor</li> </ul>
7	Jan/21/20 1:00 Pm to 5:00 Pm	Path 1	Chizobam Ani, MD, PhD Mentor Advisement	<ul style="list-style-type: none"> <li>• Review of Study Approaches Including Statistical Implications</li> <li>• Protective time to meet with one's faculty mentor</li> </ul>
8	Jan/28/20	Path 1	Magda Shaheen, M.D., PhD. Mentor Advisement	<ul style="list-style-type: none"> <li>• Descriptive &amp; Inferential Statistics: Hands on SPSS</li> </ul>

	1:00 Pm to 5:00 Pm			<ul style="list-style-type: none"> <li>• Protective time to meet with one's faculty mentor</li> </ul>
9	Mar/10/20 1:00 Pm to 5:00 Pm	Path 1&2	<b>Research Protocol Defense</b> <i>[Need to have both groups]</i>	
<b>JUNE 1: 2020: MILESTONE ACTIVITY: FINAL PROTOCOL DUE TO MSRTP OFFICE</b>				

<b>Longitudinal Primary Care Research</b> <b>CO 2021: 4<sup>th</sup> Yr. Schedule</b>	
Jan 6 – Feb 22, 2021	<b>MANDATORY MOCK ORAL PRESENTATIONS FOR CDU COLLOQUIUM</b> <i>with Dr. B</i>
Feb 19, 2021	<i>Submit Final Abstract for CDU Medical Student Research Colloquium</i>
Feb 25, 2021	<i>Submit Final Colloquium PowerPoint Presentation</i>
Feb 26, 2021*	<b>MILESTONE ACTIVITY</b> <b>CDU ANNUAL MEDICAL STUDENT RESEARCH COLLOQUIUM</b>
April 1, 2021	<b>THESIS DRAFT DUE -- SUBMIT TO MSRTP OFFICE FOR THESIS COMMITTEE REVIEW</b>
May 1, 2021	<b>MILESTONE ACTIVITY</b> <b>FINAL THESIS DUE</b>

\* Subject to Confirmation