**SEMINAR (PHAR 7605) Syllabus**

**Seminar course: PHAR 7605**

**For:** Department of Pharmacology and Toxicology

**Director:** Dr. Srinivas Sriramula

**When: Wednesdays** from **11:00 AM to 12:00 PM**

**Where: 2E-100** (Masks Required, Follow guidelines)

**Textbook:** none

**Grading:**

* Weekly participation and attendance: 25%
* Presentation: 75%

**Course Description:** The Pharm/Tox Seminar series for the spring 2022 involves journal club presentations, and seminars from invited speakers (if possible). The Spring 2022 topic for journal articles is “**Covid-19 impact on your research field**”. Students are expected to select articles 1 week prior to their journal club presentation that focus on this theme. **Titles of journal article must be emailed to Dr. Sriramula, Ms. Loretta Grice and Ms. Kathleen Thayne at least 1 week prior to the student’s presentation**. This will allow distribution of the announcement to the department minimum of 1 week in advance of presentation.

**Criteria**: It is expected that the following guidelines will be followed by each student when presenting a journal club:

1) Brief background of the basic science underlying the study

2) The scientific question addressed by the authors (e.g. what gaps in the knowledge base within the field are the authors hoping to fill?)

3) Hypothesis

4) Study aims/objectives

5) Experimental Design and Methods - Note: not every method needs to be discussed, just the broad concept and unique aspects. For example, you don’t need to exhaustively describe commonly employed methods (e.g. immunoblots, qRT-PCR, immunohistochemistry, fluorescent microscopy, etc.).

6) Results- Note: It is often not necessary to show every Table and Figure within the paper, particularly for large articles (e.g., Cell, Nature press, etc.). Show only those data that are most important for overall conclusions.

7) Conclusions- What knowledge was gained from the study? This section should be covered after the figures are presented.

Students in the audience should think critically about the manuscript presented and ask thought provoking questions.

**Attendance** at all seminars is compulsory. In addition to presenting, attendance is mandatory. Their grade will be based 100% on participation and attendance. Absences must be cleared in advance with both the student’s advisor and Dr. Sriramula prior to seminar. **If more than 2 classes are missed due to unexcused absences, the student will be given a 0 for the 25% participation grade**.

**Software:** It is expected that competence will be established in the use of software required for data analysis and presentation in a professional manner. This will include but is not limited to Excel, PowerPoint, GraphPad Prism, SPSS and Adobe Photoshop/Illustrator. Some software are available for download through ECU’s Enterprise Service Management System:

<https://ecu.teamdynamix.com/TDClient/1409/Portal/Requests/ServiceCatalog?CategoryID=3664>.

Final grades will be based on the system below:

**A**: 89.5-100% **B**: 79.5-89.4% **C**: 79.4-69.5% **F**: < 69.4%

Up-to-date information will be distributed by email and on the Pharmacology and Toxicology Seminar website at <http://www.ecu.edu/cs-dhs/pharmacology/seminars.cfm>

Schedule for Spring 2021 Seminar series.

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| **Date** | **Time** | **Speaker** | **Title** |
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| **02/02/22** | 02-00 PM - 03-00 PM | Maddi Craney (Cohort Seminar) |  |
| **02/09/22** | 11-00 AM - 12-00 PM |  |  |
| **02/16/22** | 11-00 AM - 12-00 PM | Rohan Parekh |  |
| **02/23/22** | 02-00 PM - 03-00 PM | Collin Brinkley (Cohort Seminar) |  |
| **03/02/22** | 11-00 AM - 12-00 PM | Acacia White |  |
| **03/16/22** | 11-00 AM - 12-00 PM | Ariel Myers |  |
| **03/23/22** | 11-00 AM - 12-00 PM | Krystal Taylor |  |
| **03/30/22** | 11-00 AM - 12-00 PM | Mark Tripson |  |
| **04/06/22** | 11-00 AM - 12-00 PM | Mary Katherine Donovan |  |
| **04/13/22** | 11-00 AM - 12-00 PM |  |  |
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