

**Independent Study**  
**PHAR 7199**  
Academic Year 2019-2020

**Course Description**

Independent study in specific areas of pharmacy not covered by organized pharmacy courses.

**Additional Course Description:**

This course introduces students to research methods in drug discovery. Numerous laboratory techniques will be utilized in this course, such as tissue culture, PCR, data analysis, and flow cytometry.

**Course Credit**

2 Credit Hour

**Pre-Requisite courses:** None

**Co-Requisite courses:** None

**Class Meeting Days, Time and Location:** TBD, 3<sup>rd</sup> floor laboratory

**Course Coordinator**

David Pearson, PhD.

WTB 363

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Office hours: TBD

Preferred method of contact: Email

**Fisch College of Pharmacy (FCOP) and UT Tyler Policies**

This is part 1 of the syllabus. Part 2 contains UT Tyler and the FCOP course policies and procedures. These are available as a PDF at <https://www.uttyler.edu/pharmacy/academic-affairs/files/fcop-syllabus-policies.pdf>. For experiential courses (i.e., IPPE and/or APPE), the Experiential Manual contains additional policies and instructions that supplement the Syllabus Part 1 and 2. Please note, the experiential manual may contain policies with different deadlines and/or instructions. The manual should be followed in these cases.

**Required Materials**

Course required materials are available through the Robert R. Muntz Library. These materials are available either online\* (<http://library.uttyler.edu/>) or on reserve. Other materials may be found online or provided by the course coordinator.

**Course Format**

The course may include, but are not limited to, the following activities:

1. Independent research of online readings or procedures
2. Lab work
3. Writing of a poster or manuscript related to the project.

CLOs	Related PLO(s)	Assessment Methods	Grading Method	ACPE Std. 11 & 12 (1-4)
1. Develop and master laboratory research techniques used in basic pharmacy research	12-14	1,13	RUB	N/A
2. Design and develop an independent research project.	12-14	1,13	RUB	N/A
3. Analyze and summarize experimental research findings from the experiment results and plan the next experiment.	12-14	1	RUB	N/A
4. Develop and present the research work as a poster or oral presentation	12-14	2,3	RUB	N/A

#### Course Assessment Methods

	Assessment Method	Description
1	Individual Project	Under the supervision of the course coordinator/instructor, the student will design an independent research project, including specific goals and an action plan.
2	Oral Presentation	At the end of the independent study, the student will give an oral presentation of their experience, including any pertinent research findings.
3	Poster Presentation	Student will present work at UT Tyler Lyceum or regional/national conference.
13	Internship/Observation	The student will be observed during introduction to new techniques to insure understanding, safety and competency.
14	Other. Please specify:	As new techniques are introduced, the student will be orally quizzed with a pass/ fail grading.

#### Grading Policy & Grade Calculation

Grades will be determined based on evaluation of the project, including goals, plan, reflections and presentation.

##### Standard Grade Calculation\*

Plan, Goals & Week-Week Activities 70%

Final Presentation of Project 30%

A	90 - 100 %
B	80 - 89.999 %
C	70 - 79.999 %
D	65.0 - 69.999 %
F	< 65.0 %

#### Tentative Schedule

<b>Week</b>	<b>TOPIC</b>	<b>CLO</b>	<b>Disease States</b>
1	Orientation to Course & Project Determination	1-4	NA
2 - 14	Design and Execution of Project	1-4	NA
15	Final Presentation of Project	4	NA