Integrated Pharmacy 1 (IP-1)
PHAR 7701
Fall Semester 2015

Course Description:	**Preamble:** The integration of the pharmacy courses is designed to optimize contextual learning and promote analytical reasoning. This will afford the student the knowledge, skills and resources necessary to successfully participate as an integral member of a healthcare team. The primary goal of the integrated curriculum is to foster high level critical thinking which will allow the student to appreciate the relevance and interconnectedness of the basic and clinical sciences when delivering patient-centered care and applying principles of optimal drug therapy. This course introduces the student to the rich history of the pharmacy profession and looks at future frontiers; reviews systems of medical practice including complementary and alternative medicine (CAM); reviews key Federal legislation and laws that guide and define pharmacy practice and the distribution and manufacture of drugs; and the pharmacist role in wellness and public health.
Course credit:	7
Pre-Requisite courses:	Admission to the College of Pharmacy and P1 standing.
Co-requisite	Completion or current enrollment in PHAR 7741, PHAR 7761
Class Meeting Days/Time:	Monday-Friday: 2:00 – 5:00pm
Class Location	W.T. Brookshire Hall
Contact information Course Coordinator and Co-instructors	**Course coordinator** Shawn Jones, Ph.D. LIB 401 Phone number: (903) 566-6106 Email: sjones@uttyler.edu Office hours: T, W, Th 12-1, or by appointment Preferred method of contact: Email	**Course Co-coordinator** Jody Takemoto, Ph.D. LIB 401 Phone number: (903) 566-6108 E-mail: jtakemoto@uttyler.edu Office hours: TBD Preferred method of contact: Email
Office Hours	**To be determined** - At least three per week and a provision for arranging office hours to accommodate students whose academic schedules conflict with regularly scheduled office hours.	
Required Materials:	All of the course required materials are available through the Robert R. Muntz Library. These materials are available either online* (http://library.uttyler.edu/) or on reserve. 1. *Handbook of Nonprescription Drugs: An Interactive Approach to Self-Care (17th Edition). Krinsky DL, Berardi RR, Ferreri SP et.al. American Pharmacist Association. ISBN: 978-1-58212-160-4, 2014. 2. *Pathophysiology of Disease: An Introduction to Clinical Medicine (7th Edition). Hammer GD and McPhee SJ. Lange-McGraw Hill. ISBN: 978-0-07-180600-8, 2014. 3. *Basic and Clinical Pharmacology (12th Edition). Katzung BG, Masters SB, Trevor AJ. Lange-McGraw Hill. ISBN: 978-0-07-176401-8, 2012. 4. Other required materials will be posted on the class Blackboard site. The site address is: https://blackboard.uttyler.edu/webapps/login/.	

Recommended Materials:	The course recommended materials are on reserve at the Robert R. Muntz Library. 1. Basic Skills in Interpreting Laboratory Data. 5th Edition. Lee M. American Society of Health-System Pharmacist. ISBN: 978-1-58528-343-9, 2013. 2. Review of Medical Microbiology and Immunology. 13th Edition. Levinson W. Lange-McGraw Hill. ISBN978-0-07-181811-7, 2014.

Course Format:	The course may include, but is not limited to, the following activities:
	1. Independent study of selected readings
	2. Individual readiness assessment tests (iRAT)
	3. Team-based learning, active learning strategies:
	    a. Team application of content and concepts
	    b. Team readiness assessment tests (tRAT)
	    c. Team presentation of content and concepts
	    d. Team project(s)
	4. Mini-lectures
	5. Case studies
	6. Educational video clips (online and in class)
	7. Independent preparation of term paper
	8. Independent preparation of applications

Course Objectives: (SLOs)	Upon completion of this course each student will be able to: 1. Summarize various approaches/strategies and tools used by pharmacists to promote and maintain health and wellness and prevent disease. 2. Explain the roles of regulatory entities and their authorizing legislation for promoting and protecting the public's health and safety. 3. Describe how guidelines and evidence-based best practices apply population-based study outcomes to individual patient's care. 4. Use critical thinking and clinical reasoning skills to identify problems; explore and prioritize potential strategies; and design, implement and evaluate a viable solution that promotes and maintains health and wellness and prevent disease.
Grading Policy	All students must demonstrate minimal individual competency. Therefore, students earning an overall individual component score <70.0% will not have team component scores added to their individual scores and the team component scores will not be calculated into the final course grade. If a student's individual component score is <65.0% at the end of the course, the student will receive a letter grade of 'F'. During the time the course is in progress, students whose cumulative course percentage falls below 70.0% may receive an academic alert and may be subject to periodic course content review in special sessions with the course instructor(s). The student's faculty advisor may receive an academic alert to act upon on the student's behalf. Grades will be determined based on evaluation of individual and team readiness assessment tests (iRAT, tRAT), individual and team cumulative assessment tests (iCAT, tCAT), examinations, graded application assignments, participation in team-based group projects, peer evaluation among other assessment methods, including and Objective Structured Clinical Examinations (OSCE). Examinations, RATs and CATs may consist of multiple-choice, true/false, short-answer, essay, and problem-based questions. All examinations, tests, and assignments, including the final examination, may be **cumulative.** Students are responsible for material presented during the prior courses. The grading scale for all graded material is below. The final course grade will be assigned according to the calculated percentage and the percentages will not be

	rounded upward or downward. For additional information, see examination/assessment policy below.
Course Grade:	**Standard Grade Calculation** **Individual Component** **70%** iRATs 14% iCATs 28% Final Exam 24.5% Peer Evaluation 3.5% **Team Component** **30%** tRATs 6% tCATs 12% Team Application(s) <u>12%</u> Total 100%	**Calculation if Individual Component < 70%** **Individual Component** **100%** iRATs 20% iCATs 40% Final Written Exam 35% Peer Evaluation <u>5%</u> Total 100%
	A 90-100% B 80-89.9% C 70-79.9% D 65.0 to 69.9% F < 65.0%

Week	Date	Topic (Health & Wellness)	Instructor
		IP-1 Course Schedule	
		Module 1: Drugs, Vitamins & Minerals, CAM: **Journey from Conception to Shelf (OTC)**	
		Module 1A: Drugs	
1	8/17	***Course and Module Overview***	Dr. Jones
		RAT #1	Drs. Jones, Khashan and Takemoto
		Drug Discovery & Development	Drs. Jones, Khashan and Takemoto
1	8/18	Drug Discovery & Development	Dr. Khashan
1	8/19	Drug Discovery & Development	Dr. Takemoto
		Module 1B: Vitamins, Minerals, Herbals and Other **Complementary and Alternative Medicine (CAM)**	
1	8/20	***RAT #2***	Dr. Pearson
		Biochemistry of Nutrients	Dr. Pearson
1	8/21	Biochemistry of Nutrients	Dr. Pearson
2	8/24	***RAT #3***	Dr. Adams
		Vitamins, Minerals and Herbals in Health & Disease	Dr. Adams
2	8/25	Vitamins, Minerals and Herbals in Health & Disease	Dr. Adams
2	8/26	Vitamins, Minerals and Herbals in Health & Disease	Dr. Adams
2	8/27	***RAT #4***	Drs. Coleman and Ried
		Regulation of the Supplement Market	Drs. Coleman and Ried
2	8/28	CAM Practitioners and Their Emerging Role in Western Healthcare	Dr. Adams
		Module 2: Preventative Measures: **Public Health Imperatives**	
		Module 2A: Immunization	
3	8/31	***Module Overview***	Dr. Jones
		RAT #5	Drs. Rosenthal and Snella
		Public Health Primer for Pharmacists	Dr. Rosenthal
3	9/1	Emergency Preparedness for Pharmacists	Drs. Rosenthal and Snella
3	9/2	***RAT #6***	Drs. Jones and Loredo
		Science of Immunology - Microbial Microevolution	Dr. Jones
3	9/3	Science of Immunology	Dr. Loredo
3	9/4	Science of Immunology	Dr. Loredo
4	9/7	***Labor Day***	
4	9/8	Science of Immunology	Dr. Loredo
		Module 2B: Healthy Lifestyle	
4	9/9	***RAT #7***	Dr. Rosenthal
		Health Literacy and Cultural Awareness	Dr. Rosenthal
4	9/10	SOAP Notes, Medical Records, and Liability Concerns	Dr. Rosenthal
4	9/11	SOAP Notes, Medical Records, and Liability Concerns	Dr. Rosenthal
5	9/14	***CAT***	
5	9/15	***RAT #8***	Drs. Dunn, Pearson and Takemoto
		Healthy lifestyle: Nutrition & Exercise	Dr. Pearson

5	9/16	Healthy lifestyle: Nutrition & Exercise	Drs. Dunn and Pearson
5	9/17	Healthy lifestyle: Introduction to Laboratory Data	Drs. Dunn and Takemoto
5	9/18	2nd Annual Interprofessional Evidence-Based Practice Conference; 7:30am-4:00pm; Green Acres Conference Center (Attendance in lieu of class)	Dr. Dunn
		Module 2C: Public Health Imperatives	
6	9/21	*RAT #9*	Drs. Dunn and Jones
		Introduction of Project (1hr)	Drs. Brazill, Pearson and Ried
		Hyperlipidemia	Drs. Dunn and Jones
6	9/22	Hyperlipidemia	Drs. Dunn and Jones
6	9/23	Hyperlipidemia / Project Time (1hr)	Drs. Dunn and Jones
6	9/24	*RAT #10*	Dr. Adams
		Hypertension	Dr. Adams
6	9/25	Hypertension	Dr. Adams
7	9/28	Hypertension / Project Time (1hr)	Dr. Adams
7	9/29	*RAT #11*	Drs. Brazill and Pearson
		Diabetes	Drs. Brazill and Pearson
7	9/30	Diabetes	Drs. Brazill and Pearson
7	10/1	Project Time (3hrs) / Posters due by 5 PM TODAY	Drs. Brazill and Pearson
7	10/2	Project Presentation Day (3hrs)	Drs. Brazill, Pearson and Ried
8	**10/5-10/9**	*EXAMS*	

Examination and/or Major Assignment Policies and Procedures:	**Examination Policies:** The use of the term exam in this document refers to RATs, CATs, the final exam or skills tests (e.g., OSCEs) used for formative or summative student learning outcome assessment and evaluations. All exams will be taken using ExamSoft. It is the students' responsibility to have a device that is compatible and works with ExamSoft under exam conditions. - Students will be allowed entry to the classroom after an exam has started ONLY at faculty discretion. - Exam will be distributed at the time class is scheduled to begin. - All personal items, such as Google glasses, purses, books, backpacks, cellphones, pagers, notebooks, and briefcases will be left in the front or back of the room during testing. - Silence will be enforced during exam time. In order to avoid distraction during the exam, no one may be enter or leave the room during the exam without the permission of the exam proctor(s). - Students will not share calculators during exams. Calculators will be provided by the college during the exam period if required. - Course exams will not be returned. A review of the exam will be conducted at the discretion of the faculty. Exam review may be scheduled with faculty during office hours and within two business days from the return of the exam grades. - Official notification of exam scores will be posted on Blackboard after faculty analysis and review. Every effort will be made to post the scores in a timely manner. - Any student achieving an exam grade <70% MUST schedule an appointment with the course coordinator within two business days from the official notification of the exam grades. - If an absence for an exam is necessary, the student is responsible for notifying the faculty PRIOR to the exam with an acceptable reason. Failure to meet this requirement may result in denial of opportunity to make up the exam at a later date. Make-up exams will be given at the time designated by the faculty. - Exams missed for medical/emergency will require official documentation and the documentation must be given to the coordinator no later than five (5) business days after the exam. - Make-up exams will only be given at the discretion of the faculty member and may be in a different format from the original exam. - Any student suspected of cheating may be immediately removed from the testing area. Strict enforcement of the college policy on cheating is maintained.
Appeals Policy	All grading related appeals for a particular project or assignment must be submitted IN WRITING to the responsible instructor and course coordinator within TWO (2) business days of the publication of that grade on Blackboard. All appeals must be defended with relevant evidence from appropriate current textbooks and primary literature, and must be properly referenced. A student can file an appeal if there is a disagreement with a final course grade. The appeal must be submitted within TWO BUSINESS DAYS of online posting of final course grades. The student must initiate a formal grade appeal process by completing the Course Grade Appeal form and submitting this form to the course coordinator.
Classroom Behavior Expectations	Overall, students are expected to exhibit professional behaviors as described in the Student Handbook.

Additional Course Information	
Student Rights and Responsibility:	All students are responsible for reviewing the syllabus and abiding by all that is within it. Students are encouraged to seek clarification within the first week of the course. The student is responsible to know and understand the policies that affect her or his rights and responsibilities as a student at UT Tyler. Please follow this link: http://www2.uttyler.edu/wellness/rightsresponsibilities.php.
Course Website	Course faculty and coordinators will use Blackboard course management tools (https://blackboard.uttyler.edu/webapps/login/) to facilitate communication and to provide access to materials, assessment scores, and other resources. Materials will be posted to the website before formal student engagement and readiness assessment tests.
Instructor Communication and Response	Course faculty-strive to have open communication with students both in and outside of the classroom. Students are encouraged to contact faculty to discuss questions or other issues related to the course. Responses to phone or email messages will be transmitted during regular working hours. If you do not have a response within a reasonable time, please check to assure you have used the correct email address or phone number and follow up if with course faculty if needed. Faculty will respond to student questions received during evenings and weekends once they are back in the office during regular business hours. Communications from faculty and course coordinators to students, regarding the course, will be made via the Blackboard website and/or UT Tyler email.
Attendance and Make-up Policy:	Given the importance of classroom discussion to successful learning in the class, classroom absences will only be excused under exceptional circumstances. In such cases, students are required to make every reasonable effort to contact the course coordinator in advance. **Late Arrival:** A student may be given credit for classroom participation and contribution if they arrive late and the late arrival was due to circumstances beyond the student's control. In all cases, the decision of the course coordinator is final. Students will not be allowed to enter the room after the beginning of iRATs until after its conclusion. **Known Excused Absence:** A student may request an excused absence from class/pharmacy practice experiences for known personal, compassionate, professional, or health-related reasons. Known excused absence requests are initiated in writing through the Office of Student Affairs. Generally, *known* excused absences are for one or two academic days. Known excused absences greater than five academic days in a session may require a student to withdraw from the course. The process for requesting an excused absence is outlined in the Student Handbook. **Unexpected Excused Absence:** In the event of unexpected circumstances, students are responsible for completing and submitting an Excused Absence Request form to the Office of Student Affairs within three (3) days of the absence. It will be the student's responsibility to contact course coordinators within 24 hours of approval of the excused absence to make arrangements for making up missed assignments and/or examinations. If the assignment and/or examination cannot be made-up, then the missed activity should not count against the student's final grade since the absence is excused. ***However, this is at the discretion of the course coordinator.***

	The course coordinator(s) will determine if a student's absence results in the need for the completion of additional/supplemental work in order to satisfy course requirements. No makeup assignments or exams will be given outside the Excused Absence policy outlined in the Student Handbook. Assignments not completed within the time frame established by the course coordinator, generally not more than 5 days (including weekends) will receive a score of zero (0). **Unexcused Absence:** Students will receive a ZERO for all missed assignments or projects.
Course Withdrawal and Census Date	**The last day to withdraw from the course without penalty is September 18, 2015**. The last day to withdraw from the course with an automatic grade of "W" is September 18, 2015. To withdraw from the course, students should initiate withdrawals with the instructor. If you are withdrawing from this course, you are required to withdraw from the Longitudinal Laboratory course (PHAR 7141) and Introductory Pharmacy Practice Experience (PHAR 7161) and vice versa. Your course instructor is not responsible for officially withdrawing you from the class. If you do not withdraw by the official dates you will automatically receive a letter grade of "F". The Census Date is the deadline for many forms and enrollment actions that students need to be aware of. These include: • Requests to withhold directory information, approvals for taking courses as Audit, Pass/Fail or Credit/No Credit; • Receiving 100% refunds for withdrawals. (There is no refund after the Census Date); • Schedule adjustments (section changes, adding a new class, dropping without a "W" grade); • Being reinstated or re-enrolled in classes after being dropped for non-payment; • Completing the process for tuition exemptions or waivers through Financial Aid.
Handling of Student Accommodations:	In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA) the University offers accommodations to students with learning, physical and/or psychiatric disabilities. If you have a disability, including non-visible disabilities such as chronic diseases, learning disabilities, head injury, PTSD or ADHD, or you have a history of modifications or accommodations in a previous educational environment you are encouraged to contact the Student Accessibility and Resources (SAR) office and schedule an interview with the Accessibility Case Manager/ADA Coordinator, Cynthia Lowery Staples. Please contact the SAR office if you are unsure if the above criteria applies to you and have questions or concerns. For more information or to set up an appointment please visit the SAR office located in the University Center, Room 3150 or call (903) 566-7079. You may also send an email to cstaples@uttyler.edu. Students must notify instructors of accommodation needs at least five (5) business days prior to needing the accommodation so that the course coordinator has adequate time to coordinate with the Student Accessibility and Resources (SAR). A letter from the SAR office must accompany this request. Authority for disability accommodation can be found in the Handbook of Operating Procedures, Section 5.14.1 and can be found at: http://www.uttyler.edu/ohr/hop/documents/5.14.1DisabilityAccommodation.pdf.
Notice of Permission / Non-Permission:	All course materials (including but not limited to; audio, visual, print and electronic) are copyrighted. External distribution outside of Blackboard or for purposes other than classroom use is prohibited without first gaining permission. For additional information regarding the use of copyrighted materials, please refer to the Handbook

	of Operating Procedures, 2.3.1. Copyrighted materials http://www.uttyler.edu/ohr/hop/documents/2.3.1CopyrightedMaterials.pdf.
Holidays and Religious Observations:	Students who anticipate the necessity of being absent from class due to the observation of a major religious observance must provide notice of the date(s) to the instructor, in writing, by the second class meeting. Authority for approved absence policy can be found in the Handbook of Operating Procedures, Section 5.10.1 and can be found at: http://www.uttyler.edu/ohr/hop/documents/5.10.1%20Approved%20Student%20Absences.pdf.
Professionalism Expectations / Handling of Academic Misconduct:	In this course students are encourage to study and to prepare for all types of learning assessments with other students. **However, when *completing* individual learning assessments, such as RATs, CATs, final exams and assignments, students are to work alone. *Cheating will not be tolerated.*** The university regulations are very explicit about academic dishonesty and these regulations will be fully enforced. ***The Honor Code will apply at all times.*** Students also are expected to help enforce this code. Students are encouraged to obtain a copy of *A Student Guide to Conduct and Discipline at UT Tyler*, available in the Office of Student Affairs. Authority for handling of academic misconduct can be found in the Handbook of Operating Procedures, Sections 5.5.1 and 5.5.2 and can be found at: Section 5.5.1 – Student Conduct: http://www.uttyler.edu/ohr/hop/documents/5.5.1StudentConduct.pdf. Section 5.5.2 – Student Conduct Code, Student Disciplinary Hearing and Appeals Procedures: http://www.uttyler.edu/ohr/hop/documents/5.5.2%20Student%20Conduct%20Code%20Student%20Disciplinary%20Hearings%20and%20Appeals%20Procedures.pdf.
Social Security and FERPA Statement	It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act; grades will not be transmitted electronically.
FERPA Statement for Courses That Utilize Plagiarism Detection Software:	*The University of Texas at Tyler has an account with an automated plagiarism detection service which allows instructors and students to submit student assignments to be checked for plagiarism. Faculty reserve the right to 1) request that assignments be submitted as electronic files and 2) electronically submit assignments to SafeAssign, or 3) ask students to submit their assignments to SafeAssign through the LMS course management program of UT Tyler. Assignments are compared automatically with a database of journal articles, web articles, and previously submitted papers. The instructor receives a report showing exactly how a student's paper was plagiarized. For more information about the University's policies regarding plagiarism, go to Subchapter 8-800-Student Standards of Conduct in the Manual of Policies and Procedures for Student Affairs. It can be found at: http://www.uttyler.edu/mopp/documents/8Student%20Conduct%20and%20Discipline.pdf.* *PLEASE REMOVE YOUR NAME FROM THE BODY OF YOUR PAPER AND REPLACE IT WITH YOUR UT Tyler ID#. ALSO REMOVE YOUR NAME FROM THE FILE NAME AND REPLACE IT WITH YOUR UT Tyler (e.g., "U12345678 Essay 1.docx") BEFORE SUBMITTING IT TO SafeAssign. Pursuant to the provisions of the Family Educational Rights and Privacy Act*

	(FERPA), students are requested to maintain confidentiality as a way to keep their personal contact information (i.e. name, address, telephone) from being disclosed to vendors or other outside agencies. By your submission, you are also agreeing to release your original work for review for academic purposes to SafeAssign. Thank you!
Student Absence for University-Sponsored Events and Activities	If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor) must notify the instructor at least two weeks prior to the date of the planned absence. At that time the instructor will set a date and time when make-up assignments will be completed.
Emergency Exit and Evacuation	Everyone is required to exit the building when a fire alarm goes off. Follow your instructor's directions regarding the appropriate exit. If you require assistance during an evacuation, inform your instructor in the first week of class. Do not re-enter the building unless given permission by University Police, Fire department, or Fire Prevention Services.
Emergency Preparedness for Academic Continuity:	In the event of an emergency, it may be necessary for UT Tyler to suspend normal operations. During this time, UT Tyler may opt to continue delivery of instruction through methods that include but are not limited to: Blackboard, Skype, and email messaging and/or an alternate schedule. It's the responsibility of the student to monitor Blackboard site for each class for course specific communication, and the main UT Tyler, College, and department websites and emails for important general information.
Syllabus Content Change Disclaimer:	The course coordinator retains the right to make adjustments to the course content, schedule or grading policy as deemed necessary to enhance student learning.
Instructional Technology Assistance	If you experience technical problems or have a technical question about this course, you can obtain assistance by emailing itsupport@patriots.uttyler.edu or call (903) 565-5555. When you email IT Support, be sure to include a complete description of your question or problem including: • The title and number of the course • The page in question • If you get an error message, a description and message number • What you were doing at the time you got the error message
Netiquette Guide	"Netiquette" is network etiquette, the do's and don'ts of online communication. Netiquette covers both common courtesy online and informal "rules of the road" of cyberspace. Review and familiarize yourself with the guidelines provided. (http://www.learnthenet.com/learn-about/netiquette/index.php)
Course and Instructor Evaluations	Evaluations are a professional responsibility. Constructive evaluation is a valuable tool utilized by the faculty as a method for quality control of the curriculum. Student evaluations are viewed by the faculty and administration as one method for maintaining high, consistent levels of quality education in the College. As a professional pharmacy student, evaluation requires maturity and objectivity. This evaluation tool is the student's opportunity to participate in the on-going evaluation process. The evaluations will be online and links to the tool will be provided on Blackboard toward the end of the term. Evaluations are collated and presented in a composite format.
Dress Code	Please refer to the Student Handbook