Course Coordinator:
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Course Description:
This course is designed to introduce the pharmacy student to the history of pharmacy. This will be accomplished by focusing upon the historical development of pharmacy in the United States. There will be more of a focus on the 20th and 21st century. By examining the growth and professionalization of the field, its statutory regulation and its product development students will be able to apply the lessons of history to current and future practice philosophies. The course will examine past and present “heroes” of the profession. Students will have the opportunity to research and prepare a brief presentation of a pharmacy historical topic. The history of pharmacy is an area that receives little attention in the pharmacy curriculum but its lessons and tradition are of great importance in recognizing and understanding the professionalism required of a pharmacist.

Course Learning Objectives:
At the completion of this course, the student should be able to:
1. Identify the general historical development of American pharmacy, its literature and its reference tools for historical inquiry.
2. List and discuss at least 10 important figures (“heroes”) in the development of the pharmacy profession.
3. Identify the impact of trends, discoveries, advances, institutions and diseases have had on the development and practice and science of pharmacy.
4. Identify how an understanding of the history of pharmacy helps the pharmacists deal with current events in the profession.
5. Develop and present a brief overview of a significant historical event in pharmacy’s history.

AIHP http://www.aihp.org

The American Institute of the History of Pharmacy is a non-profit national organization devoted to advancing knowledge and understanding of the place of pharmacy in history. Its mission is to contribute to the understanding of the development of civilization by fostering the creation, preservation, and dissemination of knowledge concerning the history and related humanistic aspects of the pharmaceutical field. AIHP offers a special Student Membership of $20 annually. This membership brings you the journal Pharmacy in History, a historical calendar, Apothecary’s Cabinet, and at least one other publication or monograph per year.

Supplemental readings will be suggested for each week from the above text or journal articles. Copies will be distributed in class or placed on reserve in the library for interested parties.
Additional References

Student Evaluation:
Students will be evaluated on the basis of class presentation (may be individual or group depending on size of class), one individual assignment and final examination. The Individual assignment is expected to be turned in on time. Ten percent off the final grade will be deducted for each day the individual assignment is turned in late. The assignment will not be accepted 1 week past the due date.

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<tr>
<th>Points</th>
<th>Assessment</th>
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<tbody>
<tr>
<td>30 pts</td>
<td>Group presentation (each member receives the same score)</td>
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<tr>
<td>20 pts</td>
<td>Individual assignment (second week hero presentation)</td>
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<tr>
<td>20 pts</td>
<td>Attendance and participation in group discussions</td>
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<tr>
<td>30 pts</td>
<td>Personal Hero presentation</td>
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<tr>
<td>100 pts</td>
<td>Total points for the course</td>
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Course Grade Scale:

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<thead>
<tr>
<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>A</td>
<td>92-100</td>
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<tr>
<td>A-</td>
<td>89-91</td>
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<tr>
<td>B+</td>
<td>86-88</td>
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<tr>
<td>B</td>
<td>82-85</td>
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<tr>
<td>B-</td>
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<td>C+</td>
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<td>C</td>
<td>70-75</td>
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<tr>
<td>D</td>
<td>65-69</td>
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<tr>
<td>F</td>
<td>&lt;65</td>
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Grading Review
Scores will be posted on Blackboard as soon as they are available. Grading for group presentation will be accomplished by completion of grading sheet by each participant. Student scores will count for 25% of the grade and the instructor’s score will account for 75%. For the written assignment, the student will receive their papers back with the score noted. If there is a dispute about the score, the instructor must be contacted within a week after they are received, otherwise they will be considered final. The personal hero’s presentation scores will also be posted to Blackboard after they are graded. Students may discuss their score by appointment within one week of when the scores are posted.
**Attendance policies:**
For PPRA 1339, students are required to attend each class session. Students will be given 20 points for attendance and active participation in all classes unless they have an excused absence from the instructor in advance. Five points will be subtracted from total score for the first unexcused absence. For any additional unexcused absences, 10 points for each absence will be subtracted from the total score to a maximum of 25. To be excused from a class session the instructor must be notified prior to the start of the class by email or phone if due to illness or other emergency. If for any other reason the instructor must approve the absence in advance and an absence form must be signed by the instructor at least one week prior to the class for which an absence is requested.

**Course Communication**
If the course coordinator needs to cancel class for any reason—an email assignment will be sent out to the class which will most likely be a reading on the topic scheduled. The content of the assignment will be included on the final exam. A small amount time during the next class will be available for any questions related to the assignment/readings.

**Assignment Descriptions and Policies**
For the second assignment, groups of 2-4 (depending on class size) will be given a list of pharmacy historical events from which they can choose to prepare a 20 minute presentation. They will be responsible for researching the literature concerning the event and informing the rest of the class about the event. They will be given guidelines to help them structure the presentation. The final assignment will involve personal pharmacy heroes. The students will be required to identify a pharmacist who they consider to be a hero to them. They will be required to give a biographical sketch of the individual and explain their contribution to the profession and what makes them a hero. This will be turned in at the final class session after an oral presentation.

**Professionalism Policies:**

**Cell Phones, Pagers, and Other Communication Devices:**
All cell phones, pagers, etc. are to be on silent mode during class or turned off. Cell phones and pagers are not to be answered during class time.

**Dress code:**
Students are expected to dress in an appropriate professional manner as listed in your MWU student Handbook.

**Academic Honesty:** Please refer to the MWU- Student Handbook.

Academic honesty and integrity are expected of all students throughout their course of study at Midwestern University. Any violation of this code is considered to be a serious academic violation and may result in a reprimand, monetary fine, written warning, academic and/or disciplinary probation, suspension, or dismissal. Academic dishonesty constitutes a breach of academic integrity that violates the academic foundation of an institution and compromises the integrity and well being
of the educational program. The policies on students’ academic and professional responsibilities are included in Appendices 1 through 4.

Students who misrepresent their work on an assignment will be given a score of “0” on that assignment and will be reported to College of Pharmacy and University administration. Students may also face further penalties as described above. Students are responsible for understanding the definitions of academic dishonesty. If any student has questions about the definition it is the responsibility of the student to speak to the course coordinator for clarification.

**Course Schedule**

| Week 1 | 12/5/13 | Dr. Smith | Syllabus Review  
Overview of History of Pharmacy in America. |
|---------|---------|-----------|-------------------------------------------------|
| Week 2 | 12/12/13 | Dr. Smith | Pharmacy’s Heroes  
Presentation of assigned person |
| Week 3 | 12/19/13 | Dr. Smith | Heroes presentations if needed  
History of Pharmacy Education |
| Week 4 | 1/2/14 | Dr. Smith | Pharmacy in 20\(^{th}\) and 21\(^{st}\) Century |
| Week 5 | 1/9/14 | Professor Johnson | History of Pharmacy organizations |
| Week 6 | 1/16/14 | Mr. Hal Wand | History of Pharmacy in Arizona |
| Week 7 | 1/23/13 | Student Presentations | Presentations 1-3 |
| Week 8 | 1/30/14 | Student Presentations | Presentations 4-6 |
| Week 9 | 2/6/14 | Dr. Smith | Evolution of Clinical Pharmacy, Pharmaceutical Care, and Medication Therapy Management |
| Week 10 | 2/13/13 | Dr. Smith | Presentation of personal heroes |
Suggested Topics for Student Presentations

1. History of the United States Pharmacopeia
2. The creation of the US Food and Drug Administration: How, why and when. Include all changes since its beginning, i.e. created by legislation.
3. Evolution of the Pharmaceutical Industry
4. Pharmacy residencies: evolution and significance
5. Chain pharmacies: evolution and impact on profession (include especially changes in the past 10 years)
6. Pharmacy specialties: evolution, specialties currently recognized, process of identification, certification, etc.
7. Pharmacy in the military, other uniformed services, Department of Veteran Affairs; evolution and current status
8. Medicines in the American Revolutionary Period
9. The role of pharmacists in the civil war
10. American Hospital Pharmacy: evolution to current era
11. History of pharmacy regulation

Students may submit a topic not on the list for consideration. If approved by the instructor a presentation may be developed on the topic.

NOTE: guidelines for structuring the presentation will be made available to students at the time assignments are made.