

**Community-Based Immunization Delivery Elective**  
**Phar 6208: 1 credit. S/N**  
**FALL 2019**

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<b>Course Director</b>	<b>Meg Little</b> , EdD, RN Assistant Professor LSci 117 <a href="mailto:littlem@d.umn.edu">littlem@d.umn.edu</a>
<b>TA</b>	<b>John Goenner</b> <a href="mailto:goenn010@d.umn.edu">goenn010@d.umn.edu</a>
<b>Canvas</b>	<a href="https://canvas.umn.edu/courses/140083">https://canvas.umn.edu/courses/140083</a>
<b>Room &amp; Time</b>	Wednesdays, 1:25-2:15, Room LSci 165 (on days designated in the schedule)
<b>email</b>	Please include Phar 6208/CBID in the subject line of your emails concerning this course. If you don't get a reply in 24 work hours please resend it to get it back to the top of my mailbox. In an effort to model wellbeing, I try very hard not to check email on weekends.
<b>Course Description</b>	<p>In this course, students will learn about and implement influenza immunization clinics. This will be an expansion and application of the knowledge and skills learned in Phar 6172 ("lab"). Students will work independently and on specific Field Experiences. These Field Experiences involve immunization clinics in coordination with the University of Minnesota, Duluth Health Services as well as immunizing with a pharmacist-mentor at a community pharmacy site.</p> <p>Class meetings consist of a speaker series focused on current topics in community immunization.</p>
<b>Prerequisites</b>	<ul style="list-style-type: none"><li>● Successful completion of Phar 6172: Pharmaceutical Care Skills II</li><li>● Enrollment at the University of Minnesota College of Pharmacy Duluth campus</li><li>● BLS certification</li><li>● Bloodborne pathogen training</li></ul>

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**Course  
Requirements**

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Meeting the all of the following requirements will result in passing the course with flying colors:

- Attend all classes and course activities unless excused by course director. Since this course is based on a speakers series it is especially important to attend out of respect for our guests.
  - Arrive at classes, meetings with pharmacists, and immunization clinics at least 5 minutes before the posted time.
  - Be prepared to participate in guest presentations. Ask questions and engage in discussion!
  - Communicate openly and respectfully with all clients, classmates, and health professionals.
  - Participate in campus immunization clinic(s).
  - Complete three hours of immunizing/immunization activities
  - Readings as assigned. These articles may be scholarly or popular press.
  - Complete course assignments.
  - Actively and thoughtfully participate in face-to-face and online discussions.
  - Honor all course policies outlined in the syllabus (dress code, promptness, patient confidentiality, bloodborne pathogen training, etc.).
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### Course Schedule:

**Note: dates are subject to change at the discretion of the course director**

We are still awaiting responses from some guest speakers - indicated by “pending” in the schedule. Wherever the guest speakers land the remaining dates will be for working on your assignments, working with your mentor/community clinics, or reading an article.

## September

Date	Class Meets	Topic	Speaker	Reading
Sep 4 (1)	Yes	Course overview and flu clinic sign-up	Dr Little	<p><b>Read for next week:</b> Hall V, Banerjee E, Kenyon C, et al. Measles Outbreak — Minnesota April–May 2017. <i>MMWR Morb Mortal Wkly Rep</i> 2017;66:713–717. DOI: <a href="http://dx.doi.org/10.15585/mmwr.mm6627a1">http://dx.doi.org/10.15585/mmwr.mm6627a1</a>.</p> <p>Branswell, H. (2017, May). Measles sweeps an immigrant community targeted by anti-vaccine activists. <i>STAT</i>. <a href="https://www.statnews.com/2017/05/08/measles-vaccines-somali/">https://www.statnews.com/2017/05/08/measles-vaccines-somali/</a></p> <p><b>Prepare for ZOOM class</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Download the Zoom desktop app</a></li> <li>• <a href="#">1-minute video: Join a Zoom meeting</a></li> </ul>
Sep 11 (2)	Yes via Zoom!  Join Zoom Meeting from anywhere <a href="https://umn-private.zoom.us/j/723873122">https://umn-private.zoom.us/j/723873122</a>	Minnesota Department of Health (MDH) Minnesota Immunization Information Connection (MIIC) <a href="http://www.health.state.mn.us/divs/idepc/immunize/register/hp/influenzavax.html">http://www.health.state.mn.us/divs/idepc/immunize/register/hp/influenzavax.html</a>	Annie Fedorowicz, MPH Adolescent and Adult Immunization Coordinator   Vaccine Preventable Disease Section  Jenevera Wolfe, HPR Minnesota Immunization Information Connection (MIIC) Operations Unit	<p><b>Take post class quiz</b></p> <p><b>Read as follow-up:</b> Yaqub, O., Castle-Clarke, S., Sevdalis, N., &amp; Chataway, J. (2014). Attitudes to vaccination: A critical review. <i>Social Science &amp; Medicine</i>, 112, 1–11. <a href="http://doi.org/10.1016/j.socscimed.2014.04.018">http://doi.org/10.1016/j.socscimed.2014.04.018</a> <a href="https://www.sciencedirect.com/science/article/pii/S0277953614002421?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S0277953614002421?via%3Dihub</a></p>

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<b>Sep 18 (3)</b>	Yes	Vaccine Injury Compensation Program	Dr. Kendall Wallace, PhD. UMD Med School Read Bio: <a href="https://biomedical.umn.edu/bio/biomedsci/KendallWallace">https://biomedical.umn.edu/bio/biomedsci/KendallWallace</a>	<b>Take post class quiz</b>  <b>Read for next week:</b> Pink Book - This is your go-to resources for course content. For next week please <b>Skim</b> Chapter 1 (Principles), and <b>Read</b> Chapter 3 (Strategies). <a href="https://www.cdc.gov/vaccines/pubs/pinkbook/chapters.html">https://www.cdc.gov/vaccines/pubs/pinkbook/chapters.html</a> If you would rather see a presentation from CDC staff please see their webinar series page <a href="https://www.cdc.gov/vaccines/ed/webinar-epv/index.html">https://www.cdc.gov/vaccines/ed/webinar-epv/index.html</a>
<b>Sep 25 (4)</b>	No	Use time to complete community immunization practicum hours or get ahead on other reading.	--	<b>Read for next week:</b> Pink Book- For next week please <b>Read</b> Chapter 12: Influenza (Or view the webinar) <a href="https://www.cdc.gov/vaccines/pubs/pinkbook/chapters.html">https://www.cdc.gov/vaccines/pubs/pinkbook/chapters.html</a> OR <a href="https://www.cdc.gov/vaccines/ed/webinar-epv/index.html">https://www.cdc.gov/vaccines/ed/webinar-epv/index.html</a>
<b>October</b>				
<b>Oct 2 (5)</b>	Yes	The Role of the Health Systems Pharmacist	Dr. Joy Bitner, PharmD St Luke's Pharmacy	<b>Take post class quiz</b>  <b>For Next week:</b> <b>Complete:</b> CDC Travelers' Health <a href="https://wwwnc.cdc.gov/travel/">https://wwwnc.cdc.gov/travel/</a> . Invent a

				<p>traveler persona and use the traveller tool to see what the implications are for the trip. (Select location, check boxes, submit)</p> <p><b>Complete:</b> Pre-Travel Providers' Rapid Evaluation Portal - <a href="http://gten.travel/prep/prep">http://gten.travel/prep/prep</a> Invent a prospective patient and try out the tool.</p> <p><b>Review:</b> CDC Travel Health Notices <a href="https://wwwnc.cdc.gov/travel/notices">https://wwwnc.cdc.gov/travel/notices</a></p>
<b>Oct 9 (6)</b>	Yes	Travel Immunizations	<p>Dr. Sherry Johnson DNP, C-FNP, CNS</p> <p>St. Luke's International Travel Health</p>	<b>Take post class quiz</b>
<b>Oct 16 (7)</b>	Yes	UMD Health Services- Immunization Issues on Campus and Q&A Flu Clinic Partnership	<p>Robin Messinger, RN Patti Peters, RN <a href="http://d.umn.edu/health-services">http://d.umn.edu/health-services</a></p>	<b>By October 30:</b> Complete SPH Public Health Module Online and upload certificate of completion - See Canvas.
<b>Oct 22</b>		UMD FLU CLINIC 9-3	Complete shifts signed up for in Kirby Rafters	<p><b>Take post flu clinic quiz for one day you staff the clinic.</b></p> <p>Please bring white coats and dress for lab; it gets very warm so feel free to take off your white coat if you are uncomfortable - and keep your ID visible.</p>
<b>Oct 23 (8)</b>	No Class	Oct 22 Flu Clinic counts as this week's class		<p><b>Read by Nov 6:</b> Larru B, Offit P. Communicating vaccine science to the public. J Infect. 2014 Nov;69 Suppl 1:S2-4. doi: 10.1016/j.jinf.2014.07.009. Epub 2014 Sep 26. <a href="https://www-clinicalkey-com.ezp2.lib.umn.edu/#!/content/playContent/1-s2.0-S0163445314002217?returnurl=null&amp;referrer=null">https://www-clinicalkey-com.ezp2.lib.umn.edu/#!/content/playContent/1-s2.0-S0163445314002217?returnurl=null&amp;referrer=null</a></p>

				Sarah Moughty. (2015). Seth Mnookin: How the Vaccine War Has Changed. Frontline, PBS. Retrieved from <a href="http://www.pbs.org/wgbh/frontline/article/seth-mnookin-how-the-vaccine-war-has-changed/">http://www.pbs.org/wgbh/frontline/article/seth-mnookin-how-the-vaccine-war-has-changed/</a>
<b>TUESDAY Oct 30 (9)</b>		UMD FLU CLINIC 9-3	Complete shifts signed up for in Kirby Rafters	<b>Read for next week:</b> Select and read one article authored by next week's speaker and come to class with at least one question for discussion. <a href="https://www.ncbi.nlm.nih.gov/pubmed?term=%28Cardona%2C%20Carol%5BFull%20Author%20Name%5D%20OR%20Cardona%20CJ%5BAuthor%5D%29%20OR%20Cardona%2C%20Carol%20J%5BFull%20Author%20Name%5D&amp;cmd=DetailsSearch">https://www.ncbi.nlm.nih.gov/pubmed?term=%28Cardona%2C%20Carol%5BFull%20Author%20Name%5D%20OR%20Cardona%20CJ%5BAuthor%5D%29%20OR%20Cardona%2C%20Carol%20J%5BFull%20Author%20Name%5D&amp;cmd=DetailsSearch</a>
<b>November</b>				
<b>Nov 6 (10)</b>	Yes via Zoom	The importance of animal surveillance and vaccination related to individual and public health.	Carol Cardona, DVM, PhD  Read Bio: <a href="https://www.vetmed.umn.edu/bio/collection-of-veterinary-medicine/carol-cardona">https://www.vetmed.umn.edu/bio/collection-of-veterinary-medicine/carol-cardona</a>	<b>Take post class quiz</b>
<b>Nov 13 (11)</b>	No	Time to meet 3 hour community vaccinating requirement	Duluth Employee Health Fair scheduled	<b>SKIM for future reference:</b> WHO Best Practice Guidance: How to Respond to Vocal Vaccine Deniers in Public. 2016. <a href="http://www.euro.who.int/__data/assets/pdf_file/0005/315761/Best-practice-guidance-respond-vocal-vaccine-deniers-public.pdf">http://www.euro.who.int/__data/assets/pdf_file/0005/315761/Best-practice-guidance-respond-vocal-vaccine-deniers-public.pdf</a>
<b>Nov 20 (12)</b>	No	Immunization & Health Disparities	Independent study	<b>Read for online discussion starting Nov 27:</b> Immunization & Health Disparities -Executive summary & Immunization & Health Disparities,

				<a href="http://www.health.state.mn.us/divs/idepc/immunize/stats/immreport.pdf">http://www.health.state.mn.us/divs/idepc/immunize/stats/immreport.pdf</a>
<b>Nov 27 (13)</b>	No Thanksgiving Eve	Immunization & Health Disparities	Online discussion	
December				
<b>Dec 4 (14)</b>	Yes	Emergency preparedness in pharmacy: Mass prophylaxis and points of dispensing	Dr Katie Oja, PharmD	<b>Take post class quiz</b> <b>Verify:</b> 3 hours immunizing practicum documentation due <b>Final Quiz Online:</b> Questions about how you met course objectives
<b>Dec 11 (15)</b>	No			

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**Learning Objectives**

1. Describe the history, scope of practice, and current status of pharmacy-based immunization services in Minnesota
  2. Demonstrate an understanding of the public health role that health care practitioners play with respect to population-based disease prevention
  3. Characterize the health disparities that result in limited access to vaccines in low-income settings and how these disparities shape the global epidemiologic patterns of infectious disease morbidity and mortality.
  4. Demonstrate clinical expertise in administering influenza vaccine to adults including: knowledge and application of screening practices, dose and patient preparation, vaccine administration, program implementation, needle-stick protocols and response protocols for urgent and emergent adverse reactions related to vaccine administration
  5. Recognize the controversies surrounding vaccines that contribute to vaccine hesitancy and vaccine refusal in the US and globally; effectively address individual concerns in a patient-centered fashion.
  6. Collaborate effectively with other health professionals in staffing immunization clinics.
  7. Communicate evidence-based messages to the public to promote health and address misinformation and misconceptions.
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8. Recognize the leadership influence of pharmacists, pharmacy staff and student pharmacists through supporting and facilitating pharmacy practice advancement
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**Course Website**

All information relating to this course is available on the course Moodle website. Notifications for scheduled maintenance are posted BY IT on Moodle please plan accordingly.

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**Technical Support**

If you require assistance with Moodle:

- Visit the technical support links in the left side bar of the course site to troubleshoot the problem through self-help pages, or if you cannot find your answer there, e-mail [moodle@umn.edu](mailto:moodle@umn.edu).
  - If your problem cannot be solved with self-help, call the 'One Help' help desk at 218.726.8847.
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**Course Questions**

If there are questions about the course schedule or content, you should consult the following resources in the following order

1. Course syllabus
  2. TA
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**Communication**

- Course communications are sent via email and Moodle.
  - Please include the course name in the subject line of your email to the course director.
  - You are responsible for the information in course communications.
  - Check your University email and Moodle daily; you can customize your Moodle profile to send you email updates from Moodle
  - If email to the course director is not answered in the timeframe that you need - please send a friendly reminder.
  - This course will also require that you communicate frequently with practicing pharmacists in the community. You should be proactive at initiating and maintaining communication with them. If you encounter difficulty with this, contact your teaching assistant or course directors.
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**Required/  
Recommended  
Textbooks**

- There is no required textbook for this course.
  - Materials related to facilitating immunization delivery will be provided to students in class or via the course Moodle site.
  - It is expected that students read the popular press and listen to TV and radio to hear the health promotion messages being delivered to the general public regarding vaccines. This type of environmental scanning will assist the students in responding to common concerns expressed by participants in the flu clinics and patients in the community.
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- The beginning of each class period will include a discussion of the results of this environmental scanning.
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**Course  
Structure &  
Grading**

- This course is pass/fail
  - Students' work and performance will be evaluated by the Course Director(s) and pharmacist faculty at the field site. The Course Directors will make final grade decisions.
  - In order to pass this course, students must meet the expectations listed in the following section.
  - Failure to meet the course expectations outlined may result in the assigning of additional learning activities, at the discretion of the Course Directors.
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**Honor Code**

Violations of the Honor Code will be submitted to the College of Pharmacy Honor Council.

*Academic misconduct is any unauthorized act which may give a student an unfair advantage over other students, including but not limited to: falsification, plagiarism, misuse of test materials, receiving unauthorized assistance and giving unauthorized assistance.*

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**Course Policies**

Please refer to the [University Policy Library: Recommended Policy Statements for Syllabi](#) for descriptions of course policies.

*Behavior and Dress Code:* Students are bound by the College of Pharmacy Honor Code, which specifically addresses confidentiality issues related to direct patient care experiences. Alleged violations of this code will be forwarded to the College of Pharmacy Honor Council for consideration.

During pharmacy-based immunization delivery activities (e.g., community pharmacies, U flu clinics), students should consider appropriate dress codes of the setting in which they will be providing service, typically business casual. A name-tag must be worn. Clothes that would be inappropriate in a patient care setting include: t-shirts, shorts, open-toed shoes, flip-flops, blue jeans, abdomen exposing or off-the-shoulder shirts, and hats.

*Tardiness:* Tardiness, without an excused reason, is unacceptable. Students are expected to present for all course activities (organizational meetings, pharmacy-based activities) at the assigned start time. Failure to comply is considered a breach of the course contract.

**FERPA**

In this class, our use of technology will sometimes make students' names and U of M Internet IDs visible within the course website, but only to other students in the same class. Since we are using a secure, password-protected University website, this should not increase the risk of identity theft or spamming for anyone in the class.

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**Student and Patient Safety**

Student and patient safety is of the utmost importance in this course. The delivery of immunizations presents a potential risk for exposure to bloodborne pathogens. Appropriate precautions must be taken when administering immunizations and disposing of needles. Needle stick injuries and exposure to bodily fluids must be reported to the immunization clinic preceptor for appropriate onsite handling and to the course directors for appropriate follow-up. Bloodborne pathogen training must be completed consistent with College of Pharmacy requirements. Failure to complete this training prior to participation in an immunization clinic will result in a student's inability to participate in the clinic and a violation of course expectations.

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**Disability Accommodation**

Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc) who needs to arrange reasonable accommodations must contact the course director and Disability Services (218-726-8217) at the beginning of the semester. All discussions will remain confidential. See <http://www.d.umn.edu/access/>

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