Expected Outcomes: Knowledge of basic principles

Demonstrate broad knowledge of basic principles and research methods related to health behavior, health communication, informatics, health outcomes, health policy, pharmacoconomics, and pharmacoepidemiology.

Assessment methods

Method: Completion of required coursework

Completion of PYPC 7870 (Social, Behavioral, and Administrative Aspects of Pharmacy Practice), PYPC 7860 (The Pharmacist’s Role in Improving Patient Adherence), and PYPC 7840 (Medication Information Systems).

Findings:

PYPC 7870 was successfully completed by three students and PYPC 7860 was successfully completed by three students. PYPC 7840 was not offered in 2011-12.

How did you use findings for improvement?

The Department revised the core courses to strengthen the basic principles of social, administrative and behavioral sciences. These new courses were submitted for approval in Summer 2012 and should be approved in Fall 2012.

Additional comments:

None

Method: Observation by professors

Observation by professors

Findings:

Students’ progress, strengths, and areas for improvement were assessed by their individual faculty advisors. Annual progress report due date was moved to October 1st to align with the timing of the annual report. Therefore, these were not reviewed in this reporting period.

How did you use findings for improvement?

None

Additional comments:

None

Expected Outcomes: In-depth knowledge in one area of expertise

Demonstrate in-depth knowledge of one area of expertise.

Assessment methods

Method: Observation by major advisor(s)
Observation by students' major advisor(s): at the end of each academic year, as part of annual appraisal process, each major advisor will meet with his/her students to review their progress. Written comments by major advisors should address students’ ethical and professional aspects.

Findings:
Due to a change in due date for annual progress reports to October 1st, advisors did not formally meet with their students in this reporting period for an annual review. However, advisors individually worked with students and assessed progress toward degree completion. No concerns were identified.

How did you use findings for improvement?
None

Additional comments:
None

Method: Successfully developing a thesis proposal
Successfully developing a thesis proposal

Findings:
One student successfully defended his thesis proposal in Summer 2012. He is making good progress (on time) toward his degree, to be received in Fall 2012.

How did you use findings for improvement?
None

Additional comments:
None

Method: Completion of thesis
Completion of thesis

Findings:
One student successfully defended her thesis in this reporting period.

How did you use findings for improvement?
None

Additional comments:
None

Expected Outcomes: Use of software and methods for research

Demonstrate an understanding of and be able to utilize software and methods required for research in health behavior, health communication, informatics, health outcomes, health policy, pharmacoeconomics, and pharmacoepidemiology.

Assessment methods

Method: Successfully developing a thesis proposal
Successfully developing a thesis proposal

Findings:

One student successfully defended his thesis proposal in Summer 2012. He is making good progress (on time) toward his degree, to be received in Fall 2012. He was able to apply basic statistical principles and select appropriate methods in his proposal.

How did you use findings for improvement?

None

Additional comments:

None

Method: Completion of thesis

Completion of thesis

Findings:

One student successfully defended her thesis in this reporting period, utilizing statistical software to complete analysis of her data.

How did you use findings for improvement?

None

Additional comments:

None

Expected Outcomes: Design and conduct research

Design and conduct original and publishable research in the field.

Assessment methods

Method: Observation by major advisor(s)

Observation by students' major advisor(s): at the end of each academic year, as part of annual appraisal process, each major advisor will meet with his/her students to review their progress. Written comments by major advisors should address students’ ethical and professional aspects.

Findings:

Due to a change in due date for annual progress reports to October 1st, advisors did not formally meet with their students in this reporting period for an annual review. However, advisors individually worked with students and assessed progress toward degree completion. No concerns were identified.

How did you use findings for improvement?

The Department had a plan to facilitate graduate students' involvement in research projects. In this way, they can have diverse experience in conducting research and get publications before graduation.

Additional comments:

None
Successfully developing a thesis proposal

Findings:

One student successfully defended his thesis proposal in Summer 2012. He is making good progress (on time) toward his degree, to be received in Fall 2012.

How did you use findings for improvement?
None

Additional comments:
None

Completion of thesis

Findings:

One student successfully defended her thesis in this reporting period.

How did you use findings for improvement?
None

Additional comments:
None

Critically evaluate literature

Critically evaluate the scientific literature.

Assessment methods

Observation by major advisor(s)

Observation by students' major advisor(s): at the end of each academic year, as part of annual appraisal process, each major advisor will meet with his/her students to review their progress. Written comments by major advisors should address students’ ethical and professional aspects.

Findings:

Due to a change in due date for annual progress reports to October 1st, advisors did not formally meet with their students in this reporting period for an annual review. However, advisors individually worked with students and assessed progress toward degree completion. No concerns were identified.

How did you use findings for improvement?
None

Additional comments:
None

Fulfilling seminar requirements

Fulfilling seminar requirements. As part of the seminar, students are required to critically evaluate
scientific literature, review manuscripts, give presentations, and give constructive feedback to other students

Findings:

All MS students satisfied the seminar requirements.

How did you use findings for improvement?

While all students satisfied the requirements, the Department continued to look for ways to improve/strengthen students’ skills in evaluating literature. Different formats for seminar were implemented in this reporting period, including a review of research designs to broaden students’ exposure to this area. A graduate student organization also sponsored a journal club to give students more opportunities to evaluate current literature.

Additional comments:

None

Expected Outcomes: Manuscripts and abstracts

Peer review manuscripts submitted for publications and abstracts submitted for presentations.

Assessment methods

Method: Fulfilling seminar requirements

Fulfilling seminar requirements. As part of the seminar, students are required to critically evaluate scientific literature, review manuscripts, give presentations, and give constructive feedback to other students

Findings:

All MS students satisfied the seminar requirements.

How did you use findings for improvement?

To continuously improve the program, the Department agreed to modify the format of the seminar in the 2011-2012 academic year. Different formats for seminar were implemented, including a review of research designs to broaden students’ exposure to this area.

Additional comments:

None

Expected Outcomes: Communicate to professional and lay audiences

Communicate effectively to professional and lay audiences about issues in the field.

Assessment methods

Method: Fulfilling seminar requirements

Fulfilling seminar requirements. As part of the seminar, students are required to critically evaluate scientific literature, review manuscripts, give presentations, and give constructive feedback to other students

Findings:

Feedback from presentations was given to presenters.
How did you use findings for improvement?

The feedback students receive will help improve students' presentation skills.

Additional comments:

None

**Method**: Student participation in professional meetings

**Student participation in local, regional and national meetings**

**Findings**:

All three students participated in local, regional and national meetings during this reporting period, a significant increase from last reporting period.

How did you use findings for improvement?

None

Additional comments:

None

**Method**: Abstracts

**Number of abstracts accepted and presented at local, regional, and national meetings.**

**Findings**:

From the three current MS students in the 2011-2012 academic year, we had eight abstracts accepted and presented, a significant increase from last reporting period.

How did you use findings for improvement?

None

Additional comments:

None

**Method**: Publications and presentations

**Number of peer review and non-peer review publications and presentations**

**Findings**:

From the three current MS students in the 2011-2012 academic year, we had five peer-reviewed publications accepted for publication and one book chapter published in a pharmacy management book. Three of these publications have MS students as the 1st author.

How did you use findings for improvement?

While some of our students are producing, not all of them publish. It is important for the Department to continue to emphasize the importance of publications.

Additional comments:

None

**Expected Outcomes**: Follow ethical and professional guidelines
Follow ethical and professional guidelines and responsibilities.

**Assessment methods**

**Method**: Observation by professors

Observation by professors

Findings:

No concerns regarding ethical and professional standards.

How did you use findings for improvement?

None

Additional comments:

None

**Method**: Observation by major advisor(s)

Observation by students’ major advisor(s): at the end of each academic year, as part of annual appraisal process, each major advisor will meet with his/her students to review their progress. Written comments by major advisors should address students’ ethical and professional aspects.

Findings:

No concerns regarding ethical and professional standards.

How did you use findings for improvement?

None

Additional comments:

None