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 four students and PYPC 7860 was successfully completed by three students (one student withdrew for the Spring semester due to family illness). 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

**Method**: Written qualifying exam

**Written qualifying exam**

**Findings**:

No students were scheduled to take the qualifying exams in this reporting period.
How did you use findings for improvement?
None

Additional comments:
None

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

Demonstrate in-depth knowledge of one area of expertise.

Assessment methods

Method: Observation by major advisor(s)

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?
While no concerns were identified, the Department has identified a way to strengthen the program. A new requirement was adopted at the retreat in Summer 2012 and incorporated into the newly revised handbook, requiring students to take a research practicum where students will be working in a research project with a faculty member. This will help them develop an expertise as well as research skills. No students have completed this new requirement in this reporting period.

Additional comments:
None

Method: Written qualifying exam

Written qualifying exam

Findings:
No students were scheduled to take the qualifying exams in this reporting period.

How did you use findings for improvement?
None

Additional comments:
None

Method: Dissertation proposal

Successfully developing a dissertation proposal

Findings:
No students were scheduled to defend their proposal in this reporting period.

How did you use findings for improvement?
Method: Completion of dissertation

Completion of dissertation

Findings:

Three students were scheduled to defend their dissertations and they successfully passed the defense. They have completed all requirements of the PhD degree. The quality of their dissertations was satisfactory. They have successfully demonstrated in-depth knowledge of their expertise.

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, pharmaco economics, and pharmacoepidemiology.

Assessment methods

Method: Dissertation proposal

Successfully developing a dissertation proposal

Findings:

No students were scheduled to defend their proposal in this reporting period.

How did you use findings for improvement?

None

Additional comments:

None

Method: Completion of dissertation

Completion of dissertation

Findings:

Three students were scheduled to defend their dissertations and they successfully passed the defense. They have completed all requirements of the PhD degree. The quality of their dissertations was satisfactory. They have successfully demonstrated their ability to utilize statistical software as well as apply appropriate methods to their research project.

How did you use findings for improvement?
Expected Outcomes: Design and conduct research

Design and conduct original and publishable research in the field.

Assessment methods

Method: Observation by major advisor(s)

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 will have diverse experience in conducting multiple research projects and it will help strengthen their ability to independently design and conduct research in the field.

Additional comments:

None

Method: Dissertation proposal

Successfully developing a dissertation proposal

Findings:

No students were scheduled to defend their dissertation proposal in this reporting period.

How did you use findings for improvement?

None

Additional comments:

None

Method: Completion of dissertation

Completion of dissertation

Findings:

Three students were scheduled to defend their dissertations and they successfully passed the defense. They have completed all requirements of the PhD degree. The quality of their dissertations was satisfactory. They have successfully demonstrated their ability to conduct original research in the field.

How did you use findings for improvement?

None
**Expected Outcomes: Critically evaluate literature**

**Critically evaluate the scientific literature.**

**Assessment methods**

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

**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

**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 PhD 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
Findings:

All PhD 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:

All PhD students satisfied the seminar requirements.

How did you use findings for improvement?

Feedback from presentations was given to presenters. 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:

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 current PhD students in the 2011-2012 academic year, we had three abstracts
accepted and presented.

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 current PhD students in the 2011-2012 academic year, no peer-reviewed publications were accepted for publication.

How did you use findings for improvement?

It is apparent that they are not publishing. It is important for the Department to continue to emphasize the importance of publishing. The Department now requires students to enroll in a research practicum. By doing this, it's likely that students will collaborate with faculty members in research projects and publish their work.

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)

Findings:

No concerns were found.

How did you use findings for improvement?

None

Additional comments: