Integrated Practicum and Culminating Project guide for the MPH with Specialization in Biomedical Informatics

2014-2015

THE OHIO STATE UNIVERSITY
COLLEGE OF MEDICINE

THE OHIO STATE UNIVERSITY
COLLEGE OF PUBLIC HEALTH

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INTEGRATED PRACTICUM AND CULMINATING PROJECT FOR THE MASTER OF PUBLIC HEALTH IN BIOMEDICAL INFORMATICS

Overview

The objective of the integrated practicum and culminating project in the Master of Public Health with a specialization in Biomedical Informatics (MPH-BMI) is to provide the student with a continuum of experiences that constitute the foundation for a career in applied biomedical informatics with a specific focus on addressing population-level health. These experiences range from the initial identification of motivating information needs, to the generation of informatics-based intervention strategies targeting such requirements, to the evaluation of the impact and outcomes of ensuing technologies and methods. Accordingly, the practicum and culminating project encompass different stages of the spectrum of experiences but are, in fact, a continuum in the process of new knowledge discovery and application.

The Practicum

Practicum Content and Requirements

For the MPH-BMI, the practicum represents an opportunity for the student to work closely with a research mentor who serves as the preceptor to guide the student through a series of experiences. The student's academic advisor collaborates in designing and approving the learning content.

Because of the multi-disciplinary nature of the BMI program, practicum projects can vary widely from student to student, depending on their respective interest in the field of biomedical informatics. Given this diversity, it is expected that students establish a base knowledge of BMI principles and theories by taking Introduction to Biomedical Informatics (BMI 5710), Introduction to Research Informatics (BMI 5740) and the biostatistics sequence (PUBHBIO 6210 & 6211) before starting their practicum projects. By establishing this foundation, students will be able to identify appropriate research projects and use informatics applications in all aspects of their topic selection, study design, planning, and project implementation. In addition, the student should be exposed to the public health issues and ethical concerns that arise in the research. Finally, given the unique computational dimensions of the intersection between Public Health and Biomedical Informatics, a foundational acculturation to computer science is strongly encouraged prior to engaging in this practicum. Students should be active participants in the arrangements for a practicum, working closely with their advisor, other BMI and CPH faculty and staff in BMI and CPH-OAPSS to learn of important college deadlines and required paperwork.

As its name implies, the practicum comprises the practical skills involved in any biomedical informatics research project. In addition, the student should have the opportunity to
consider the research and its accompanying issues in a larger public health context. The typical MPH-BMI practicum should include the following elements:

1. Participation in the generation of an informatics-focused research project, working in collaboration with the research mentor;
2. Design of a study (often as part of a broader project), including recognition of the classification of the study design and evaluation needs;
3. Appropriate consideration of the ethics of the study design including participation in the submission of the protocol to the IRB as appropriate;
4. Appropriate planning for study design implementation including performance of pilot studies;
5. Design of data management instruments in support of the study evaluation plan, including the selection and codification of ensuing data sets, and the incorporation of appropriate measures to protect personal health information if applicable;
6. Data acquisition, implementation, and downstream analysis of study data, based upon of the final study design.

Students may elect additional components for the practicum. These include experiences related to the conduct of biomedical informatics research in its many aspects, such as participation as a member of a multi-disciplinary and cross-cutting research team involving faculty from the Colleges of Medicine and Public Health, as well as the OSU Wexner Medical Center (OSUWMC). These departures from the standard practicum format should be discussed and approved by your research advisor and the Department of Biomedical Informatics’ Graduate Studies Coordinating Committee (BMI-GSCC).

**Practicum Procedures**

The Master of Public Health requires a minimum of two credit hours of practicum for students in any MPH specialization. Students must spend at least 120 hours focused on the practicum to meet the minimum requirement (60 hours of work equals one credit hour). The hours may be distributed in whatever way makes sense for the student’s schedule and the requirements of the work (e.g., 10 hours per week for 12 weeks, a varying schedule over multiple semesters, etc.).

BMI students are encouraged to begin discussions of possible practicum opportunities with their advisors and potential research mentors as soon as possible after beginning the program. This will help the student’s academic advisor faculty member to suggest any courses they should take that might be critical to the success of their project in anticipation of the practicum. Once a practicum has been identified, a Practicum Learning Agreement must be completed and filed with the Office of Academic Programs and Student Services (OAPSS) before actually beginning the practicum. This is the verification that the practicum has the approval of both the research mentor and the advisor, and notifies OAPSS that the student will be accumulating practicum hours.

Please note that the practicum is not complete until the final report has been submitted and approved. The expectation for the MPH-BMI is that most students will complete the
course work required for the practicum within their first year and begin their research during the summer following the first year, and then continue their research under the guidance of the research mentor through their second year of study.

A maximum of two credit hours of practicum credit (7189) may count towards the degree. In some cases, BMI students may receive approval from the BMI-GSC and their academic advisor to begin supervised research work before the normally expected timeframe. This can only occur with the express written permission of your academic advisor, who should work with the BMI-GSC to confirm the exception.

The practicum is graded S/U. The grade is assigned by the advisor based on evaluations of the student’s experience and final practicum report by both the advisor and the research mentor.

**Practicum Report Guidelines**

All MPH students are required to complete a final written report that will focus on sharing information on the practicum experience. At the conclusion of the practicum portion of their integrated practicum/culminating project experience, BMI students will prepare a brief report discussing the relationship of their research to diagnosis, prevention, or treatment of disease and the overall relevance of their work to the mission of public health. You should discuss the expectations of your report carefully with your advisor.

The report’s length needs to be sufficient to cover the expected content carefully, usually around ten pages in length. In addition to the body of the report, include relevant materials developed during the practicum (e.g., surveys, questionnaires, etc.) as appendices. A log of the activities pursued (e.g., dates, hours, setting, persons, and subject) should accompany the final report.

The practicum report must represent your own individual work. Permission is required from your research mentor and faculty advisor to participate in a project with other BMI students. If you are working on a collaborative project, explain your area of responsibility and describe your contribution to the project.

The final report must present a clear picture of your practicum with details of your research and how this practicum is important to the field of public health.

The following should be included in your practicum report:

1. Hypothesis and underlying driving problems as well as corresponding information needs. What problem are you trying to address and how will Biomedical Informatics theories and methods satisfy corresponding information needs? How will you evaluate the desired outcome?

2. What is your overall study design? Classify the study design in terms of methodology and evaluation plans/approaches?
3. What bioethical issues are relevant to this project? What was your participation in the IRB process (if one was in place simply state; but discuss the ethical and human subject issues relevant to this project).

4. Describe your plans for data collection, codification, and management.

5. What biostatistical and/or qualitative methods do you anticipate for the eventual analysis of your data?

6. Briefly discuss the public health and informatics relevance of your research project.

7. Indicate the MPH competencies you focused upon and how you addressed them.

8. Indicate the Biomedical Informatics competencies you focused upon and how you addressed them.

Your title page should consist of your name, division, cohort year (year you entered the College), project title (as stated in your learning agreement), research mentor (preceptor) and organization, your faculty advisor, and date of submission.

Both the faculty research mentor and the faculty academic advisor will be responsible for verifying the achievement of the practicum objectives and your performance.

One copy each of the final written report, log, and outcomes of the practicum (e.g., questionnaires, fact sheets, etc.) should be provided to your faculty advisor and your research mentor. Once your advisor approves your report, submit an electronic copy of the final document to Dawn Williams, the Coordinator of Practice Education and Career Services in OAPSS.

Sample practicum reports are available for your review in OAPSS in 100 Cunz Hall, 1841 Neil Ave.

For advice on fulfilling the above requirements, please consult your faculty advisor.
CHECKLIST OF REQUIREMENTS FOR THE BMI PRACTICUM

To be sure you are meeting all practicum requirements, PLEASE follow this checklist carefully!!

Prior to beginning the Practicum:

___ Attend a Practicum Orientation or meet with Dawn Williams in OAPSS to discuss paperwork and deadlines.
___ Submit your protocol to IRB if appropriate.
___ Complete the Permission to Enroll form and the Learning Agreement (like a contract; must be approved by your research mentor and faculty advisor) for the practicum and have your faculty advisor sign it and then submit both documents to Dawn Williams in OAPSS. The forms can be found at: http://cph.osu.edu/current. OAPSS will add PUBHLTH 7189 for 2 credit hours to your schedule after you submit the permission form.

During the Practicum:

___ Document progress on Daily Log (you must spend at least 120 hours on the research project).
___ Keep your faculty advisor and research mentor informed of your progress.
___ Schedule a mid-practicum progress review with your advisor and research mentor; have any changes in the project approved by both.

Final Preparation:

___ Submit one copy of your final Practicum Report to your advisor and each member of your committee.
___ Submit an electronic copy of the final approved Practicum Report to Dawn Williams, the Coordinator for Practice Education and Professional Development in OAPSS by the first day final examinations for the semester.
___ Submit the Student Evaluation, the Advisor Evaluation, and the Preceptor (Research Mentor) Evaluation to OAPSS by the first day of final examinations for the semester in order to receive a grade (the grade for the practicum is S/U).

Contact the Coordinator of Practice Education and Career Services, Dawn Williams, with any questions or concerns: pecs@cph.osu.edu or (614) 247-4380
The Culminating Project

Culminating Project Overview

MPH-BMI students satisfy the Culminating Project (CP), by completing a combined practicum and CP. Though students may collaborate with others on the project, the final report must represent the student’s own work. The culminating project continues the research process initiated in the practicum and consists of the appropriate statistical analysis of the data collected within the practicum. This analysis is then reported in a final paper, which is to be prepared in scientific journal format. Completion of the culminating project is contingent upon review and approval of the final report by a committee of the faculty advisor and a second CPH or BMI faculty member (appointed by your faculty advisor). Both committee members must have category M or P Graduate Faculty status in the College of Public Health and at least one committee member must have a primary appointment in the College. An additional graduate faculty member may serve on the committee if the research mentor does not meet these criteria. Students may present their final work at the annual Graduate Student Research Day. In addition, they are encouraged to submit abstract summaries of their work at national meetings and to publish their findings in an appropriate peer-reviewed scientific journal.

Culminating Project Report Guidelines

The final report for the culminating project must represent your own individual work. If you are working on a collaborative project, your final report must be some aspect of the project that you completed yourself and must be in the format of a peer-reviewed journal article.

The MPH-BMI culminating project final report should include the following elements:

1. Title Page
2. Abstract – brief summary of the project
3. Introduction and Background – rationale for the project; what is the basic research and why is it of interest
4. Literature Review – synthesize information written by other researchers and evaluation it according to the guiding concept that you have identified for your project
5. Methods – what were the methods and procedures used to collect and analyze data, what were the key variables of interest, and how were those variables measured
6. Results – describe the results of the data analyses and refer to any tables and figures within the text; reference any tables used from other sources
7. Discussion – interpret the data as they relate to project questions, goals, and objectives; discuss the implications of the findings and how they may impact public health

For more details on the culminating project report, consult your faculty advisor.
TIMELINE AND CHECKLIST OF REQUIREMENTS FOR THE BMI CULMINATING PROJECT
OHIO STATE UNIVERSITY COLLEGE OF PUBLIC HEALTH

Two semesters prior to the semester of completion:

___ Discuss your culminating project with your faculty advisor.

___ Provide your advisor with an outline of your culminating project that includes the draft title, the public health and informatics question that will be addressed, and the methods for addressing the question.

The semester prior to completion:

___ Have your advisor sign the permission form to register for PUBHLTH 7998 for 3 credit hours during your second to last semester.

___ Submit the permission form to OAPSS for processing (located on the 1st floor of Cunz Hall).

___ Work with your advisor to identify a second reader with appropriate Graduate Faculty status to serve on your master’s exam committee at least one semester prior to the semester of graduation.

___ Submit the application to graduate online to the Graduate School the seventh Friday of the semester prior to the semester of graduation.

The final semester:

___ Meet with your faculty advisor and agree upon a timeline to complete the requirements for your project.

___ The Master Exam Report must be submitted electronically by your Committee members to the Graduate School by November 26, 2014 for AU14, April 17, 2015 for SP15 and July 17, 2015 for SU15. Failure to do so will result in delay of your graduation. Therefore, your project should be completed by the 4th week of the semester. A first draft of the culminating project must be submitted to your advisor and second reader no later than 1 month prior to the MERF deadline (during the semester of graduation).

___ Keep your advisor updated on your progress.

___ Submit the final copy of your project to your committee by the deadline specified.

___ Submit an electronic copy (PDF or Word) of your approved project to OAPSS the Friday before graduation.
Responsible Research Practice Requirements
(Appendix H of the CPH Handbook)

Many students in the College of Public Health and College of Medicine are involved in research, either for their own degree requirements or in work assignments with faculty members or others. It is essential that students learn and abide by the applicable rules concerning research involving human or animal subject. This topic will be covered in some courses as appropriate. This summary is intended to provide an overview. You are strongly advised to contact your faculty advisor or employer about the procedures described below.

What research is covered by this policy?
All research that collect data from human subject needs to be approved by the OSU Institutional Review Board (IRB). All research involving animals needs approval from OSU Institutional Animal Care and Use Committee (IACUC). This includes culminating project, these and doctoral dissertations. In a few rare cases, practicum placements might also need approval if it involves collecting research-type data. When IRB or IACUC approval are necessary, such approval must be obtained before any data collection begins. Allow 6 weeks or more from submission to approval.

Research with human subject
When do project need IRB approval?
The linked document from Ohio State’s Human Research Protection Program defines clearly what constitutes “research” and what types of research require IRB oversight. The document can be found here: http://orrp.osu.edu/files/2012/02/Research-Involving-Human-Subjects.pdf. Pages 5, is very useful to help determine when IRB oversight is required. If your research seems to fall into a “gray area” not clearly covered by this document, contact Ohio State’s Office of Responsible Research Practices for help.

Procedures for human subject research approval
Students should work closely with their faculty advisors to complete the necessary materials to secure approval for research with human subject. Guidance, forms, and directions are available through the Office of Responsible Research Practices: http://orrp.osu.edu/irb/irbforms/.

All faculty, staff and students participating in human subject research at Ohio State are required to complete the Collaborative Institutional Training Initiative (CITI) web-based course on human subject available at http://orrp.osu.edu/irb/training/citi. The Office of Responsible Research Practices also offers regular training for researchers. Additional information is available on the Web at http://orrp.osu.edu/irb/training/. In addition to completing CITI training, everyone (faculty, staff, and students) involved in sponsored research or other research which is reviewed by the IRB must also complete a Conflict of Interest disclosure, which can be found at http://go.osu.edu/coi.
Some low-risk research may qualify for “exemption” from full IRB review; however, the determination that the research is exempt must be made by the university’s Office of Responsible Research practices (ORRP), and cannot be assumed by the student or investigator. Students who will be using data previously collected by faculty members for a theses, dissertation, or culminating project will also need to obtain IRB approval, frequently via the exempt status form. The form for requesting an exemption determination is available at http://orrp.osu.edu/irb/irbforms/exempt/

One aspect of student research which should be noted is that for purposes of the IRB application, the student’s advisor must be listed on the form as the “Principal Investigator,” i.e., the person responsible for the research. The student is a “co-investigator.” Both the student and the advisor must have completed the on-line human subject training (CITI). The IRB will not review an application unless everyone listed as principal or co-investigator has completed the on-line training.

**Research with animals**
All animal protocols should be submitted in via the university’s e-Protocol system. Directions to secure approval for research with animals are available through the Office of Responsible Research Practices. Approval requires completion of the Animal Usage Orientation Course (either classroom or online) and the Occupational Health and Safety Training Course (online only). Information regarding these courses is available online at http://orrp.osu.edu/iacuc/.

**Need assistance?**
You are encouraged to contact your faculty advisor or employer about research, including the requirements for responsible research practices. You may also speak with Phyllis Pirie, PhD, Interim Associate Dean for Research in the College of Public Health, if you have questions or concerns.
If you have additional questions or need to discuss specific issues concerning research you are undertaking, contact:
Office of Responsible Research Practices
The Ohio State University
300 Research Administration Building
1960 Kenny Road Columbus, Ohio 43210-1063
**Phone:** (614) 688-8457
**Fax:** (614) 688-0366
http://orrp.osu.edu/
BMI PRACTICUM LEARNING AGREEMENT
The Ohio State University College of Public Health

All parties (faculty advisor, preceptor, and the student) must approve and sign this document. For BMI, the research mentor serves as the preceptor. A copy of this agreement should be retained for future reference and monitored by all parties. **Submit the original form to Dawn Williams, Coordinator of Practice Education and Career Services in the Office of Academic Programs & Student Services one week prior to the practicum start date.**

### PRACTICUM DETAILS

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<th>Student’s Name:</th>
<th>OSU Name.#</th>
<th>Practicum Site:</th>
<th>Dept:</th>
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<tr>
<td>Preceptor’s Name:</td>
<td>Email:</td>
<td>Preceptor’s Title:</td>
<td>Phone:</td>
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<td>Project Title:</td>
<td>Phone:</td>
<td>Practicum Dates:</td>
<td>Hours of Work Per Week:</td>
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<td>Semester Practicum will begin:</td>
<td>Salary if Applicable (include description of any benefits, e.g., sick/vacation time, travel, etc.):</td>
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### OBJECTIVES, METHODS & FINAL PRODUCT

Learning Objectives of the Practicum: 

Methods and Timetable Necessary to Accomplish Objectives: 

MPH Competencies Addressed (see Student Handbook for list of Competencies): 

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Final Product(s) or Report(s) to be Delivered to the Preceptor*:

*(besides the required Practicum Final Report)

Student’s Signature: ___________________________ Date: ____________

Academic Faculty
Advisor’s Signature: ___________________________ Date: ____________

Preceptor’s Name (print): ___________________________ 

Preceptor’s Signature: ___________________________ Date: ____________

PLEASE RETURN THIS FORM TO:

Dawn Williams, Coordinator of Practice Education and Career Services
Office of Academic Programs & Student Services
College of Public Health
100 Cunz Hall 1841 Neil Avenue
Columbus, OH 43210-1351
pecs@cph.osu.edu 614-247-4380 (phone) 614-247-1846 (fax)
BMI Daily Activity Log
The Ohio State University College of Public Health

Record the activities you performed or participated in each day and the time spent on each. You must spend a minimum of 120 hours on the research project. Use this form to track your progress in meeting your objectives. Feel free to make additional copies as you need them. The preceptor and advisor may use this form during the mid-practicum progress discussion and the evaluation so please share it with them. You will find the log helpful when it comes to writing your final report and will want to include with your supporting materials.

Student: ___________________________  Preceptor: ___________________________
Faculty Advisor: ______________________  Practicum Site: ______________________

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BMI Student Practicum Evaluation

Student: ___________________________  Preceptor: _______________________  
Faculty Advisor: _____________________  Organization: _________________

Please rate the degree to which you were able to accomplish the following.

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<thead>
<tr>
<th></th>
<th>Strongly Agree</th>
<th>Agree</th>
<th>Disagree</th>
<th>Strongly Disagree</th>
<th>NA</th>
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<tr>
<td>Core Learning</td>
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<tr>
<td>1. I was able to apply knowledge of public health principles and theories.</td>
<td>O</td>
<td>O</td>
<td>O</td>
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<td>2. I was able to apply evidence-based concepts in public health decision-making.</td>
<td>O</td>
<td>O</td>
<td>O</td>
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<td>3. I was able to communicate effectively within the organization.</td>
<td>O</td>
<td>O</td>
<td>O</td>
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<td>Overall Experience</td>
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<td>4. The preceptor was available to provide advice and guidance.</td>
<td>O</td>
<td>O</td>
<td>O</td>
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<td>5. There was sufficient communication with the faculty advisor, preceptor, and Office of Academic Programs &amp; Student Services during the practicum.</td>
<td>O</td>
<td>O</td>
<td>O</td>
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<tr>
<td>6. The curriculum prepared me for the practicum.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
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<td>7. This experience gave me confidence to enter the workforce.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>8. Overall, I believe this experience expanded my public health knowledge.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

Additional comments (OPTIONAL):

9. What suggestions do you have for improving the practicum experience?

10. Would you recommend this preceptor to other students?
    - O Yes
    - O No

11. How did you find this practicum?
    - O Assistance from the Office of Academic Programs & Student Services
    - O Faculty recommendations
    - O Personal networking
    - O Other: _______________________________________________________

12. Were you paid for the practicum (e.g. salary, stipend, honorarium, etc.)?
    - O Yes
    - O No

Student Signature ___________________________  Date _______________________

PLEASE RETURN THIS FORM TO:

Dawn Williams, Coordinator of Practice Education and Career Services  
Office of Academic Programs & Student Services  
College of Public Health  
100 Cunz Hall 1841 Neil Avenue  
Columbus, OH 43210-1351  
pecs@cph.osu.edu  614-247-4380 (phone) 614-247-1846 (fax)
BMI Preceptor (Research Mentor) Practicum Evaluation

Student: ________________________________  Preceptor: __________________________

Faculty Advisor: ________________________  Organization: ________________________

Please rate the student's abilities in the following areas.

<table>
<thead>
<tr>
<th>Core Abilities</th>
<th>Strongly Agree</th>
<th>Agree</th>
<th>Disagree</th>
<th>Strongly Disagree</th>
<th>Not Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Student demonstrated knowledge of public health principles and theories.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>2. Student demonstrated an ability to apply evidence-based concepts in public health decision-making.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>3. Student communicated effectively.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Overall Performance</th>
<th>Strongly Agree</th>
<th>Agree</th>
<th>Disagree</th>
<th>Strongly Disagree</th>
<th>Not Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Student met the goals and deadlines.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>5. Student was a good match with the project.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

6. How would you rate the overall quality of the final report?
   - O Poor
   - O Fair
   - O Good
   - O Very Good
   - O Excellent

Additional comments (OPTIONAL):
7. What areas of improvement should the student focus on strengthening?

8. What suggestions do you have for improving the practicum experience?

9. Does any aspect of the student's performance warrant review?
   - O Yes
   - O No

   If Yes, please explain:

10. Would you continue to participate in the practicum program?
    - O Yes
    - O No

Preceptor’s Signature  Date

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Columbus, OH  43210-1351
pecs@cph.osu.edu  614-247-4380 (phone) 614-247-1846 (fax)
BMI Faculty Advisor Practicum Evaluation

Student: ________________________________  Preceptor: ________________________________
Faculty Advisor: __________________________  Organization: ____________________________

Please rate the degree to which the student met the objectives of the course.

<table>
<thead>
<tr>
<th>Final Report</th>
<th>Strongly Agree</th>
<th>Agree</th>
<th>Disagree</th>
<th>Strongly Disagree</th>
<th>Not Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. The student described the learning objectives and activities performed.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>2. The student explained how the learning objectives were met.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>3. The student presented outcomes, conclusions and recommendations for the project.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Overall Experience</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4. The student kept me updated on the progress of the project throughout the practicum.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>5. The student met the course expectations and practicum objectives.</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

6. How would you rate the overall quality of the final report?
   - O Poor
   - O Fair
   - O Good
   - O Very Good
   - O Excellent

Additional comments (OPTIONAL):

7. What areas of improvement should the student focus on strengthening?

---

Faculty Advisor Signature          Date

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College of Public Health
100 Cunz Hall 1841 Neil Avenue
Columbus, OH 43210-1351
pecs@cph.osu.edu 614-247-4380 (phone) 614-247-1846 (fax)
Practicum Final Report

Student Name
MPH in Biomedical Informatics
Entering Class of 20xx

Title

Research Mentor: Name
Department, Organization

Faculty Academic Advisor: Name

Date Submitted
[Template for Culminating Project Cover Page]

Title

Student Name
Entering Class of 20xx

Culminating Project for
Master of Public Health in Biomedical Informatics

Committee Members:
Faculty Academic Advisor’s Name
Research Mentor’s Name
Additional Graduate Faculty Member’s Name

The Ohio State University College of Public Health and
College of Medicine’s Department of Biomedical Informatics
Submitted on Date