

Office of Public Health Practice
Environmental and Occupational Health Science
Student Practicum Evaluations
AY 2006-07

INTRODUCTION

A practicum is a planned, supervised, and evaluated “hands-on” experience that allows students to use the knowledge and skills acquired in the classroom. The practicum is directly related to the academic goals and professional interests of the students. The practicum is population based and addresses a need identified by the host organization. The practicum is an essential part of the curriculum and is a requirement of the Council on Education for Public Health (CEPH), the accrediting body of Schools of Public Health.

During the 2006-2007 academic year, 10 environmental and occupational health science students completed a practicum evaluation. Students and community preceptors completed evaluations at the end of the semester. About two weeks before the end of the semester, Survey Monkey™ formatted evaluation forms were sent to students and community preceptors via email. Students and preceptors were contacted three times after the electronic evaluations were distributed. The average annual response rates for students and community preceptors were 94% and 76% respectively.

In an effort to increase response rates, students and preceptors were contacted three times after the electronic evaluations were distributed.

STUDENT RESPONSES

Division

Environmental and Occupational Health Science (n = 10)

Type of Organization

- 50% University/College
- 40% Hospital/Clinics
- 10% Government

Sites

- City of Houston
- University of Texas Health Science Center
- Baylor College of Medicine
- Texas A&M University
- Rice University
- University of Texas MD Anderson Cancer Center
- Shastin Central Clinical Hospital

Practicum Topics

- Respiratory Protection Program
- Development of web based select agent emergency response drill
- MUP
- Relationship between computing posture and repetitive strain injuries
- DUST Study
- Statistical analysis of Radiation Dosimeter Data
- Assess chemo exposure level in pharmacy technicians in clinic areas
- Assess medical waste management programs in developing nations

Final Product

- 50% Reports
- 30% Training/ Procedural Manual
- 20% Presentations

Weekly Time Commitment by Student (Hours/Week)

- 60% Environmental and Occupational Health students spent 12 hours or more working on practicum related activities
- 80% Environmental and Occupational Health students counted their practicum experience for 3 credit hours

Source for Locating Practicum

Self-developed	3
Faculty	2
Friend/Colleague	2
Office of Public Health Practice	1
Other	2

Effectiveness of Learning Experience

As indicated in the table below, students reported that their practicum provided an effective learning experience across eight competencies

Question	Rating on a scale of 5.00 Average	SPH Average
Developing skills to work as a team member	4.30	4.46
Navigating work environment to accomplish objectives	4.30	4.46
Developing problem-solving skills	4.50	4.50
Working with diverse groups and cultures	4.11	4.40
Understanding the health goals of the organization	4.30	4.41
Formulating an idea from conception to completion	4.40	4.48
Developing an understanding of public health practice	4.22	4.37
Developing leadership skills	4.00	4.32

Student Satisfaction with Practicum

- 90% of students reported that the practicum experience was effective with 60% reporting that it was very effective
- 80% of students reported that their practicum prepared them for job opportunities

Recommendation of Site

- All students reported that they would recommend their community site

Student Contact with Preceptors during Practice Experience

- 50% of environmental and occupational Health students reported that they met with their community preceptor 10 times or more
- Face-to-face and email were the most common forms of communication
- 90% of students reported that the weekly commitment was appropriate

Community Preceptor Attributes

Question	Rating on a Scale of 5.00 Average	SPH Average
Experienced in his/her field of work	4.60	4.78
Flexible and open to making changes to suit my needs as a student	4.50	4.69
Willing to offer suggestions and directions when needed	4.40	4.56
Available to answer questions and provide support	4.50	4.66
Helpful in accomplishing project milestones	4.30	4.49
Available to provide useful feedback concerning my work	4.50	4.53

Student Satisfaction with Community Preceptors

- All community preceptors were rated as average or above with 70% rated as very good

Faculty Sponsor Attributes

Question	Rating on a Scale of 5.00 Average	SPH Average
Flexible to suit my needs as a student	4.20	4.49
Willing to offer suggestions when needed	4.20	4.52
Available to provide useful feedback concerning my work	4.20	4.39
Helpful in accomplishing project milestones	4.20	4.32

Student Satisfaction with Faculty Sponsors

- All faculty sponsors were rated as above average with 50% rated as very good

CONCLUSIONS

This evaluation demonstrates the win-win nature of applying classroom learning to the “real world.” Students overwhelmingly reported that the practice experience helped them develop problem solving skills and become more familiar with public health practice. Community preceptors were highly impressed with the students’ skills, motivation, maturity, and initiative. Overall, 95% of the community preceptors reported that they would be willing to accept students for future practice experiences; and 91% of the students believed their practice experience was complimentary in preparing them for the job market.