

# Senior Project Proposal

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Network Computing

## Objective

To create a means for First Year Experience Students to anonymously evaluate their Teaching Assistants online through a secure web form (see page 3). And to store that information in a database and compile the results into graphs and spreadsheets that the Graduate Assistant and FYE Coordinator can review and print out.

## Project Details

The Website will be located on the Dean of Student's web server. The primary coding style will be object oriented PHP and MySQL. I may also use JavaScript to perform some more interactive features. The site must be easy to update and maintain by the FYE Coordinator and the Graduate Assistant through an online database driven interface.

The site will be divided into two parts, the part the student sees and the part the Administrator sees. The student site will be accessed by a user name and password provided to the students by their TA. Then they can go in and fill out and submit the form. The Administrator page will be accessed only by the GA and Coordinator. There, they can view the individual results or grouped results with the answers averaged. There will be numerous different graphs and tables generated by the data for them to review. This site needs to be functional and in use by the Fall 06 semester.

## Project Goals

### *Student Page (6 points)*

- \* (0 pt) Students are anonymous
- \* (1 pt) Students can only submit evaluation for their TA
- \* (2 pt) Students can only submit one evaluation total
- \* (0 pt) Students check radio buttons and input comments
- \* (1 pt) Student's TA is automatically filled into form
- \* (2 pt) Form is submitted over SSL

### *Login (5 points)*

- \* (1 pt) Each Teaching Assistant receives a unique ID and password
- \* (1 pt) IDs are generated automatically
- \* (1 pt) IDs are automatically sent to TA via email
- \* (1 pt) Questions are stored in the database
- \* (1 pt) Questions can be added, deleted or modified easily

### *Administration Page (31 points)*

- \* (0 pt) Only Coordinator and Graduate Assistant can view results
- \* (1 pt) Results page has semester totals
- \* (1 pt) Results page has list of all TAs
- \* (1 pt) Each TA has separate result page
- \* (1 pt) Each question has averaged answer

- \* (1 pt) Each question has average for all TAs combined
- \* (1 pt) Questions grouped into sections
- \* (1 pt) Each section has individual TA average
- \* (1 pt) Each section has total of all TA's average
- \* (1 pt) Overall score for each TA individual
- \* (1 pt) Overall score for all TA's averaged
- \* (2 pt) Results formatted in neat Excel like look
- \* (3 pt) Results shown in graph
- \* (1 pt) All results generated on the fly
- \* (3 pt) Results automatically update via AJAX
- \* (4 pt) Graphs can be viewed in multiple ways (ie. Pie, Bar...)
- \* (4 pt) Results can be exported to Excel
- \* (2 pt) Results can be exported to PDF
- \* (2 pt) Results page is SSL

### *Coding (9 points)*

- \* (0 pt) PHP and MySQL
- \* (2 pt) OO PHP and database access
- \* (3 pt) JavaScript
- \* (1 pt) PHP database class
- \* (2 pt) Perl CGI
- \* (0 pt) CSS and HTML
- \* (1 pt) Sessions

### *Other (4 points)*

- \* (4 pt) Same thing for FYE Faculty

*Total points possible: 55*

### Grading Scale

- A ⇒ (≥ 40 pt)
- B ⇒ (37 pt - 39 pt)
- C ⇒ (24 pt - 36 pt)
- D ⇒ (≤ 23 pt)

## Teaching Assistant Student Evaluations (Example Form)

Name of Teaching Assistant \_\_\_\_\_

For each item below, circle the number to the right that best fits your judgment

<b>Teaching Assistant Role and Relationship</b>	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1. I understand the role of the TA in the class.	1	2	3	4	5
2. My TA Knows my name.	1	2	3	4	5
3. My TA is approachable in class and out of class.	1	2	3	4	5
4. My TA communicates with me outside of class.	1	2	3	4	5
5. My TA is easy to reach when I have a question or concern.	1	2	3	4	5
6. My TA listens and tries to understand me.	1	2	3	4	5
7. My TA responds respectfully to my questions and ideas.	1	2	3	4	5
8. I would be willing to share personal issues with my TA.	1	2	3	4	5
<b>Class Involvement</b>					
9. My TA and instructor work well as a teaching team.	1	2	3	4	5
10. My TA is clear and organized when giving presentations.	1	2	3	4	5
11. My TA helps facilitate participation in class.	1	2	3	4	5
12. My TA encourages students to interact with each other.	1	2	3	4	5
13. My TA gives me appropriate feedback about my performance in the class.	1	2	3	4	5
14. My TA arrives on time to class.	1	2	3	4	5
<b>Study Strategies</b>					
15. My TA knows and helps me use Study Strategies.	1	2	3	4	5
16. My TA shows me how to use Study Strategies in other classes.	1	2	3	4	5
17. My TA motivates me to be a more effective student.	1	2	3	4	5
<b>Connecting Activities and Resources</b>					
18. My TA helps me become familiar with NMU Campus.	1	2	3	4	5
19. My TA provides me with information about campus activities.	1	2	3	4	5
20. My TA attends campus activities with me.	1	2	3	4	5
21. My TA is familiar with campus resources that could meet my needs and interest.	1	2	3	4	5
<b>Awareness of Self and Others</b>					
22. My TA is honest about his/her own strengths and weaknesses	1	2	3	4	5
23. My TA respects different points of view.	1	2	3	4	5
<b>Impact</b>					
24. I value the advice my TA gives me about school and personal issues.	1	2	3	4	5
25. The TA's involvement makes UN100 a better class.	1	2	3	4	5

Describe how your TA has contributed to the class. (Please answer on back)

Describe what you believe a mentor should be and explain whether or not your TA meets your expectations. (Please answer on back.)