**2019-2020 Graduating Senior Survey:**
**Department of Mathematics**

**INSTRUCTIONS:**

The Department of Mathematics is very interested in your opinions, and believes that as a graduating senior you can provide it with useful information to help evaluate and improve its program. We appreciate you taking the time to answer these questions.

Once you have answered all the questions, you must click on the **"Next"**button at the end of the form to submit your answers.

math **Please rate the extent to which you agree or disagree with each of the following statements about your experiences in the Department of Mathematics.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Agree (5) | Tend to agree (4) | Neither agree nor disagree (3) | Tend to disagree (2) | Disagree (1) | Not applicable (0) |
| 1. My program included enough classroom presentations for me to gain good oral presentation skills (1)  |  |  |  |  |  |  |
| 2. My program included enough written reports for me to gain good report-writing skills (2)  |  |  |  |  |  |  |
| 3. My program provided good training for the analysis and interpretation of data (3)  |  |  |  |  |  |  |
| 4. The coursework activities in my program as a whole required synthesis, creativity, and open-ended thinking (4)  |  |  |  |  |  |  |
| 5. Based on the quality of teaching and education I received in my program, I would recommend it to a friend (5)  |  |  |  |  |  |  |

math **Assuming you could use any reference materials or software, indicate your level of confidence in your ability to complete each of the following tasks.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Completely confident (4) | Somewhat confident (3) | Not very confident (2) | Could not do it (1) |
| 6. Construct, analyze, evaluate, and correct mathematical arguments (6)  |  |  |  |  |
| 7. Present mathematical arguments and results to peers and others, in a manner that is mathematically correct and appropriate for the audience (7)  |  |  |  |  |
| 8. Demonstrate a conceptual understanding of techniques and tools in linear algebra by analyzing examples and results dealing with concepts such as vector spaces, bases, linear transformations, eigenvalues, and eigenvectors (8)  |  |  |  |  |
| 9. Apply various methods to find explicit, implicit or approximate solutions to differential equations, explain the qualitative behavior of solutions of differential equations, and use differential equations to model physical and biological systems (9)  |  |  |  |  |
| 10. Prove mathematical statements, ask coherent questions, and solve mathematical problems using basic abstract algebraic concepts such as groups, rings, fields and their homomorphisms (10)  |  |  |  |  |
| 11. Have a conceptual understanding of techniques and tools in analysis by analyzing examples and generating correct and convincing proofs dealing with basic analytic concepts such as limits, continuity, differentiation, and integration (11)  |  |  |  |  |

math12 **12. Which of the following statements best describes how well you think your grades generally match your expectations?**

* In general, my grades are worse than I expect to get (1)
* In general, I get the grades I expect to get (2)
* In general, my grades are better than I expect to get (3)

math13 **13. And which of the following statements best describes how well you think your grades generally match your ability?**

* In general, my grades underestimate my ability (1)
* In general, my grades reflect my ability (2)
* In general, my grades overestimate my ability (3)

math14\_text **14. Please use this space to share any general comments you have about your experience in the College or your department, and/or tell us why you were particularly satisfied or dissatisfied with any aspect of your education in the College or your department.**