

LSC Use Only Proposal No:
LSC Action Date:

UWCC Use Only Proposal No: 14-705
UWCC Action Date: AP 11/11/14 Senate Action Date: App 11/11/14

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

1. **Proposal Title:** AP 11/11/14

2. **Author(s):** AP 11/11/14

3. **Department:** AP 11/11/14

4. **Course Number:** AP 11/11/14

5. **Course Title:** AP 11/11/14

6. **Course Description:** AP 11/11/14

7. **Prerequisites:** AP 11/11/14

8. **Corequisites:** AP 11/11/14

9. **Number of Credits:** AP 11/11/14

10. **Effective Date:** AP 11/11/14

11. **Proposed by:** AP 11/11/14

12. **Reviewed by:** AP 11/11/14

13. **Approved by:** AP 11/11/14

14. **Signature:** AP 11/11/14

15. **Date:** AP 11/11/14

16. **Signature:** _____

17. **Date:** _____

18. **Signature:** _____

19. **Date:** _____

I. Catalog Description

MATH 411 Univariate Data Analysis

(3c-01-3cr)

Prerequisites: MATH 214, 216, or 217 or permission of the instructor.

An applied statistics course in descriptive statistics, statistical inference procedures, regression analysis, analysis of variance, and analysis of deviance. Inference procedures for population means and proportions are developed. Simple linear regression, multiple linear

Exam 1 (1 hour)

D. The Simple Linear Regression Model (4 hours)

1. Statement of the simple linear regression model with the assumption of normally distributed errors.
2. Estimators of the regression coefficients and the estimator of the variance.
3. Statistical inference procedures to make statements about the parameters.

Exam 3 (1 hour)

Final Exam (2 hours)

IV. Evaluation Methods

The final grade in the course will be determined as follows:

60% Three in-class exams.

15% Homework. Homework will be regularly assigned and graded.

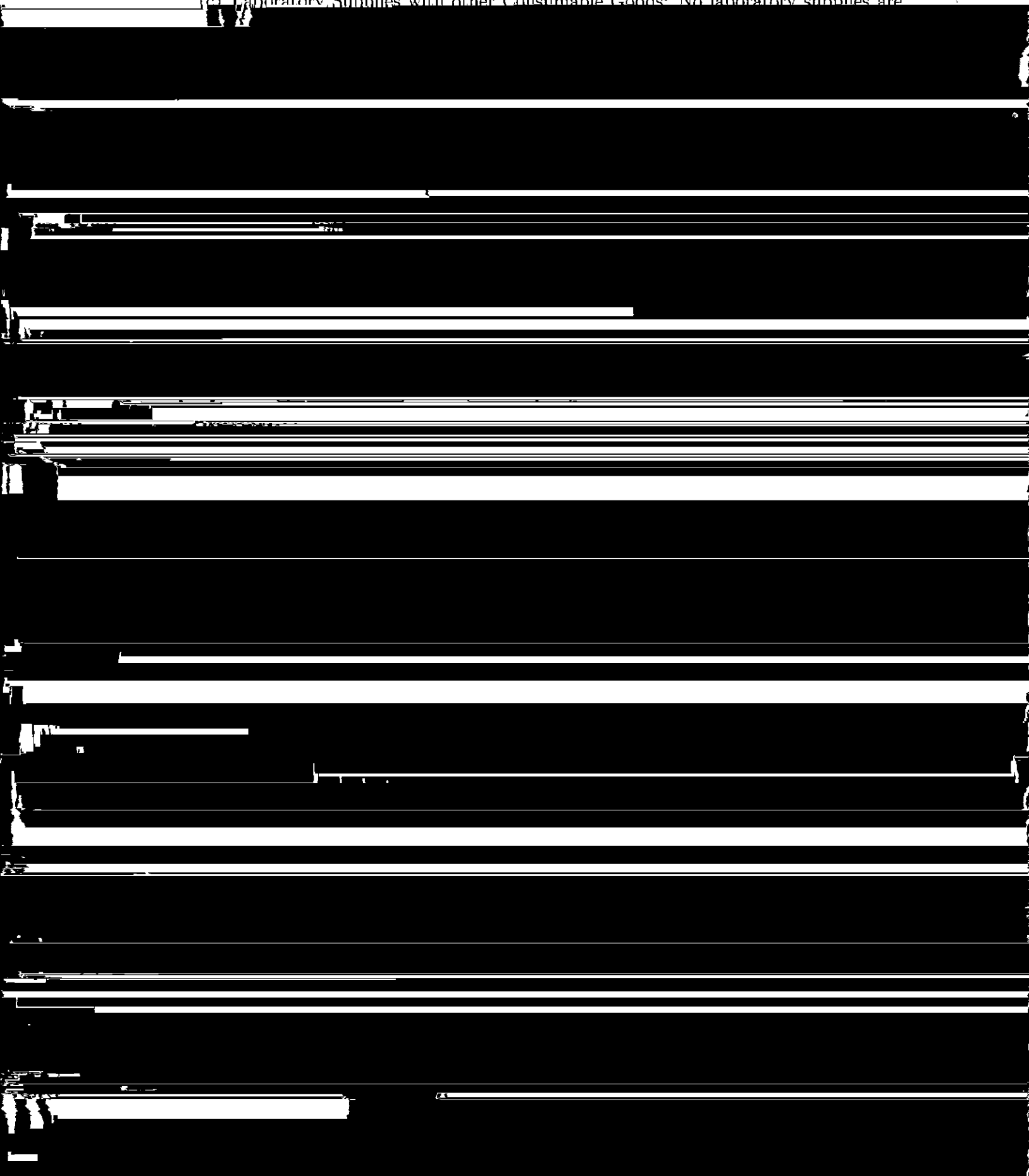
25% Final Exam. A cumulative final exam will be given.

Course Analysis Questionnaire

A Details of the Course

- A1 This course will be the first part of a new required core course sequence in the Applied Statistics minor. This course is designed for both majors and non-majors who are part of the Applied Statistics minor. No other courses in the department cover similar material.
- A2 This course will require a change in the Applied Statistics minor. A comprehensive proposal for the revision of the Applied Statistics minor program will be submitted.
- A3 This course has not been offered at IUP on a trial basis.
- A4 This course will not be a dual-level course.
- A5 This course is not to be taken for variable credit.

(c) Laboratory Supplies with other Consumable Goods: No laboratory supplies are



Subject: RE: MATH proposals

From: Edel Reilly <ereilly@iup.edu>

Date: 09/16/14 02:07 PM

To: 'Anne E Kondo' <akondo@iup.edu>

Yes,

Russ has contacted the Chair of Economics to let him know of the changes.

Edel

-----Original Message-----

From: Anne E Kondo [mailto:akondo@iup.edu]

Sent: Tuesday, September 16, 2014 1:20 PM

To: ereilly@iup.edu

Subject: MATH proposals