

## Course Change Request

### Academic Organization and Curriculum Handbook

College **MPS**

Course Bulletin Listing **STAT - STATISTICS**

Course Prefix

Course Number **421**

Course Decimal

Full Course Title **Introduction to Mathematical Statistics II**

Transcript Title **INTRO MATH STAT 2**

Level **U**

Credit Hours **5**

College **MPS**

Course Bulletin Listing **STAT - STATISTICS**

Course Prefix **421**  Generic course or decimal subdivision?

Full Course Title **Introduction to Mathematical Statistics II**

Transcript Title **INTRO MATH STAT 2**

Level  Undergraduate  Graduate **Credit Hours** **5**

Proposed Effective Year **10** **Proposed Effective Term** **Winter Quarter**

### Course Bulletin

Course Description  
Calculation and evaluation of point estimators, interval estimation, Neyman-Pearson lemma, uniformly most powerful tests, likelihood ratio tests, chi-square, F, and nonparametric tests.

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Calculation and evaluation of point estimators, interval estimation, Neyman-Pearson lemma, uniformly most powerful tests, likelihood ratio tests, chi-square, F, and nonparametric tests.

Terms Offered

Terms Offered **Quarter(s)**

Autumn

Winter

Spring

Summer

Summer 1

Summer 2

Offering Pattern **This year**

Offering Pattern  This year  Every other year

Distribution of Class Time

Distribution of Class Time **4 1-hr lectures, 1-hr recitation**

Omit distribution of class time from printing?

Prerequisites  
Prereq: 420.

Prerequisites **Stat 420 OR Math 530 OR Math 531H**

Exclusion or Limiting Clause

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Electronic enforcement of prerequisites?

Not open to students with credit for 521 or 621.

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Repeatable?

Repeatable?

Max Repeatable Credit Hours

Cross Listed?

Course part of a sequence?

Grade Option **L**

Grade Option  Letter  S/U  Progress

GEC Course

General Course Information Statement

Honors Statement

- Off Campus/Field Experience?
- EM Credit?
- Admission Condition Course?
- Offered in Distance Learning Format?
- Service Learning?

**General Information**

Subject (CIP) Code 270502

Subsidy Level **B**

If you have questions, please contact Jed Dickhaut @ [dickhaut.1@osu.edu](mailto:dickhaut.1@osu.edu).

Expected Section Size 50

Proposed Number of Sections Per Year 2

Course time less than 1 full term or Workshop

Off-campus offering?

Required on Major(s)

Required on Minor(s)

List of Minor Programs Statistics

Elective within Major(s)

Elective within Minor(s)

Choice of Major(s)

Choice of Minor(s)

A General Elective

Indicate the nature of the program adjustments, new funding, and/or withdrawals that make possible the implementation of this new course. Evidence must be given of whether the budget support will come from reallocation of existing resources or from new program funds.

No funding change is required.

Is approval of this request contingent upon the approval of other course or curricular requests?  Yes  No

Describe any changes in library, equipment, or teaching aids needed

**Purpose of the proposed change**

The Math major program is currently being amended to require that their Math students take this course. We have changed to pre-requisites to accomodate students in Math who take probability in their department.

Proposed change impacts course contents?

Describe the method of funding if the proposed changes involves budgetary adjustments

Please complete and attach the form(s) on the following page before completing the package.

[Course Supplement Form](#)

**Course Contact Information**

Faculty Name Bill Notz

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Contact Name Peter Craigmile

Contact Dept Statistics

Contact Email

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Contact Phone 6146883634

**Save**

**Validate**