



# Department of Mathematics

## Course Listing

*(Disclaimer: Be advised that some information on this page may not be current due to course scheduling changes. Please view either the **UH Class Schedule page** or your Class schedule in **myUH** for the **most current/updated information.**)*

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Academic calendar: Fall 2023—Summer 2024

**(NEW) University of Houston Textbook Adoption login:** Please use this link to **Create your account** and **Submit** your textbook information for your course. This login is specifically designed to allow faculty to submit their own textbook information **(PDF Instructions-screenshots)**.

**\*NEW\*** Some courses may have **textbooks** and **additional resources** available through Canvas and CCS. To check your section, click the **Canvas Course Finder link**.

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## UNDERGRADUATE COURSES - Fall 2023

*[UPDATED: 08/24/23]*

(These courses will **NOT** apply toward a degree in Mathematics)

## MATH 1100 - Fall 2023

There are 4 separate sections of MATH 1100, in which each have a specific co-requisite. The 4 sections of MATH 1100 and their co-requisites are listed below. Students also need to be TSI incomplete in Math in order to enroll in MATH 1100. **Co-enrollment in MATH 1351 (previously MATH 1312) will not be permitted in Fall 2022** and thereafter.

Please also refer to the **TSI website** to confirm these courses.

**NOTE:** a new requirement for MATH 1300 enrollment is that students must have a **TSI Math Adult Basic Education** score below 5.

**\*NEW\*** Some courses may have **textbooks** and **additional resources** available through Canvas and CCS.

To check your section, click the **Canvas Course Finder link**.

| Course         | Class # | Course Title       | Co-requisite | Day & Time | Room #                                      | Instructor |
|----------------|---------|--------------------|--------------|------------|---|------------|
| Math 1100 - 01 | 15768   | Developmental Math | MATH 1314    | Online     | Asynchronous Online/ <b>On Campus Exams</b> | M. Caputo  |
| Math 1100 - 02 | 17185   | Developmental Math | MATH 1332    | Online     | Asynchronous Online/ <b>On Campus Exams</b> | M. Caputo  |
| Math 1100 - 03 | 17186   | Developmental Math | MATH 1324    | Online     | Asynchronous Online/ <b>On Campus Exams</b> | M. Caputo  |
| Math 1100 - 04 | 17187   | Developmental Math | MATH 1342    | Online     | Asynchronous Online/ <b>On Campus Exams</b> | M. Caputo  |

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**Face to Face (F2F):** These courses are displayed with a Meeting Time in the class schedule.

**Synchronous Online:** courses have **NO** Face-to-Face classes but do meet at a particular day and time in a virtual classroom. All course materials are available online and virtual lectures may be recorded to provide additional flexibility for students to view them later. These courses are displayed as “Online” with a Meeting Time in the class schedule.

**Asynchronous Online:** courses have **NO** Face-to-Face classes or virtual meeting times. All course materials are available online anytime. These courses are displayed as “Online” with NO Meeting Time in the schedule.

**\*NEW\*** Some courses may have **textbooks** and **additional resources** available through Canvas and CCS. To check your section, click the **Canvas Course Finder link**.

*(These courses **will** apply toward a degree in Mathematics)*

| Course              | Class #      | Course Title                 | Course Day & Time                   | Rm #       | Instructor            |
|---------------------|--------------|------------------------------|-------------------------------------|------------|-----------------------|
| Math 2131-01        | 14345        | Linear Algebra Labs w/MATLAB | TTh, 4—5:30PM (F2F)                 | CBB 110    | A. Goligerdian        |
| Math 2131-02        | 14034        | Linear Algebra Labs w/MATLAB | MW, 2:30—4PM (F2F)                  | CBB 110    | A. Vu                 |
| Math 2305-01        | 19935        | Discrete Mathematics         | TTh, 11:30AM—1PM                    | GAR G201   | J. Winkle             |
| Math 2305-02        | 18011        | Discrete Mathematics         | MWF, 11AM—Noon                      | SEC 102    | B. Xhabli             |
| Math 2305-03        | 25015        | Discrete Mathematics         | TTh, 1—2:30PM                       | GAR G201   | J. Winkle             |
| <i>Math 2305-05</i> | <i>15764</i> | <i>Discrete Mathematics</i>  | <i>Asynchronous/On Campus Exams</i> | <i>N/A</i> | <i>C. Douglas</i>     |
| Math 2318-01        | 13842        | Linear Algebra               | MW, 1—2:30PM (F2F)                  | CBB 110    | A. Alexander          |
| Math 2318-03        | 12069        | Linear Algebra               | TTh, 10—11:30AM (F2F)               | CBB 120    | L. Gao                |
| Math 2318-04        | 12703        | Linear Algebra               | TTh, 2:30—4PM (F2F)                 | GAR G201   | R. Sanders            |
| <i>Math 2318-05</i> | <i>12922</i> | <i>Linear Algebra</i>        | <i>Asynchronous/On Campus Exams</i> | <i>N/A</i> | <i>M. Perepelitsa</i> |

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|---------------------|--------------|---|-------------------------------------|------------|------------------|
| Math 2318-07        | 19939        | Linear Algebra  | MWF, 10—11AM (F2F)                  | SEC 104    | Nicolas Charon   |
| Math 2318-08        | 25919        | Linear Algebra  | TTh, 8:30—10AM (F2F)                | CBB 104    | M. Olshanskii    |
| Math 3325-01        | 12771        | Transition to Advanced Mathematics                    | TTh, 11:30AM—1PM (F2F)              | S 201      | W. Ott           |
| Math 3325-02        | 16833        | Transition to Advanced Mathematics                    | MWF, 11AM—Noon (F2F)                | S 202      | A. Vershynina    |
| Math 3330-01        | 16834        | Abstract Algebra                                      | MW, 1—2:30PM (F2F)                  | F 162      | A. Haynes        |
| Math 3331-01        | 11538        | Intermediate Differential Equations                   | TTh, 11:30AM—1PM (F2F)              | SEC 206    | R. Sanders       |
| Math 3331-02        | 12225        | Intermediate Differential Equations                   | MWF, Noon—1PM (F2F)                 | SEC 205    | V. Climenhaga    |
| Math 3333-03        | 12704        | Intermediate Analysis                                 | TTh, 10—11:30AM (F2F)               | CBB 122    | M. Kalantar      |
| Math 3333-04        | 24394        | Intermediate Analysis                                 | TTh, 1—2:30PM (F2F)                 | S 114      | N. Leger         |
| Math 3338-01        | 15765        | Probability   | MWF, 11AM—Noon (F2F)                | CBB 108    | A. Haynes        |
| Math 3339-01        | 15766        | Statistics for the Sciences                           | TTh, 4—5:30PM (F2F)                 | SW 102     | W. Fu            |
| Math 3339-02        | 11977        | Statistics for the Sciences                           | TTh, 10—11:30AM (F2F)               | SEC 101    | Y. Niu           |
| Math 3339-03        | 14026        | Statistics for the Sciences                           | MW, 4—5:30PM (F2F)                  | SEC 104    | M. Papadakis     |
| <i>Math 3339-04</i> | <i>12705</i> | <i>Statistics for the Sciences</i>                    | <i>Asynchronous/On Campus Exams</i> | <i>N/A</i> | <i>W. Wang</i>   |
| Math 3339-06        | 15223        | Statistics for the Sciences                           | MWF, 11AM—Noon (F2F)                | MH 180     | Jian Cao         |
| Math 3340-01        | 11772        | Intro To Fixed Income Math                            | TTh, 1—2:30PM (F2F)                 | SEC 202    | I. Timofeyev     |
| <i>Math 3363-01</i> | 11540        | <i>Introduction to Partial Differential Equations</i> | <i>Asynchronous/On Campus Exams</i> | <i>N/A</i> | <i>A. Caglar</i> |
| Math 3363-02        | 19937        | Introduction to Partial Differential Equations        | TTh, 1—2:30PM (F2F)                 | CBB 118    | W. Fitzgibbon    |
| Math 3363-03        | 11978        | Introduction to Partial Differential Equations        | MW, 4—5:30PM (F2F)                  | GAR G201   | M. Wang          |
| Math 3363-04        | 14106        | Introduction to Partial Differential Equations        | TTh, 4—5:30PM (F2F)                 | GAR G201   | D. Onofrei       |

|                     |              |  |                                     |            |              |
|---------------------|--------------|--|-------------------------------------|------------|--------------|
| Math 3364-01        | 11541        | Introduction to Complex Analysis                     | MWF, 10—11AM (F2F)                  | SEC 204    | Y. Wu        |
| Math 4310-01        | 15299        | Biostatistics  | MWF, 11AM—Noon (F2F)                | AH 301     | D. Labate    |
| Math 4320-01        | 11542        | Intro To Stochastic Processes                        | TTh, 10—11:30AM (F2F)               | SEC 202    | I. Timofeyev |
| Math 4322-02        | 16022        | Intro. to Data Science and Machine Learning          | TTh, 11:30AM—1PM (F2F)              | SEC 104    | C. Poliak    |
| Math 4323-01        | 15980        | Data Science and Statistical Learning                | TTh, 10—11:30AM (F2F)               | SEC 104    | W. Wang      |
| Math 4331-02        | 12923        | Intro to Real Analysis I                             | TTh, 1—2:30PM (F2F)                 | S 207      | B. Bodmann   |
| Math 4335-01        | 14363        | Partial Differential Equations I                     | MWF, 9—10AM (F2F)                   | AH 301     | G. Jaramillo |
| Math 4339-02        | 15445        | Multivariate Statistics                              | TTh, 1—2:30PM (F2F)                 | CBB 214    | C. Poliak    |
| Math 4350-01        | 18233        | Differential Geometry I                              | MW, 1—2:30PM (F2F)                  | S 207      | M. Ru        |
| Math 4364-01        | 13320        | Intro. to Numerical Analysis in Scientific Computing | MW, 4—5:30PM (F2F)                  | SEC 204    | T. Pan       |
| Math 4364-02        | 15767        | Intro. to Numerical Analysis in Scientific Computing | MWF, 10—11AM (F2F)                  | F 154      | Yunhui He    |
| Math 4377-04        | 12925        | Advanced Linear Algebra I                            | TTh, 11:30AM—1PM (F2F)              | F 154      | A. Mamonov   |
| Math 4383-01        | 26029        | Number Theory and Cryptography                       | MW, 1—2:30PM (F2F)                  | S 207      | M. Ru        |
| <i>Math 4388-01</i> | <i>12329</i> | <i>History of Mathematics</i>                        | <i>Asynchronous/On Campus Exams</i> | <i>N/A</i> | <i>S. Ji</i> |
| Math 4389-01        | 11980        | Survey of Undergraduate Mathematics                  | TTh, 2:30—4PM (F2F)                 | S 114      | N. Leger     |
| Math 4397-01        | 20652        | Introduction to Mathematical Neuroscience            | TTh, 11:30AM—1PM (F2F)              | CBB 214    | K. Josic     |