



Yeshiva University  
Stern College for Women  
Academic Advisement



# Mathematics

Total Credits: 42+

Department Chair: Professor Antonella Marini

[marini@yu.edu](mailto:marini@yu.edu)

Find the Website [here](#)

# Specialization in Pure and Applied Mathematics

## 7R W D O & U H G L W V

### REQUIRED COURSES      F R X U V H V      F U H G L W V

| Course #  | Course Name   | Credits |
|-----------|---|---------|
| 0 \$ 7 +  | Calculus I  |         |
| 0 \$ 7 +  | Calculus II   |         |
| MATH 1510 | Multivariable Calculus  |         |
| 0 \$ 7 +  | \$ G Y D Q F H G & D O F S X V  |         |
| 0 \$ 7 +  | / L Q H D U \$ O J H E U D  |         |
| 0 \$ 7 +  | Probability Theory  |         |
| 0 \$ 7 +  | 2 U G L Q D U \ ' L I I H U H Q W L D O ( T X D W L R Q s    MAT 5201 |         |

### ELECTIVES      / H Y H O R U K L J K H U      F R X U V H V      F U H G L W V

Recommended courses include

- 0 \$ 7 +
- 0 \$ 7 +      R U 0 \$ 7
- 0 \$ 7 +      R U 0 \$ 7
- 0 \$ 7 +      R U 0 \$ 7
- 0 \$ 7 +      R U 0 \$ 7

### CORRELATES      F R X U V H V      F U H G L W V

& K R V H Q I U R P F R P S X W H U V F L H Q F H    R U J U D G X D W H P D W K H P D W L F  
visualization

# Specialization in Computational Science

## 7RWD0 & UHGLWV

### REQUIRED COURSES FRXUVHV FUHGLWV

| Course #  | Course Name                       | Credits |
|-----------|-----------------------------------|---------|
| 0 \$ 7 +  | Calculus I                        |         |
| 0 \$ 7 +  | Calculus II                       |         |
| MATH 1510 | Multivariable Calculus            |         |
| 0 \$ 7 +  | /LQH DU \$OJHEUD                  |         |
| 0 \$ 7 +  | Probability Theory                |         |
| 0 \$ 7 +  | Mathematical Statistics RU 0 \$ 7 |         |
| 0 \$ 7 +  | Numerical 0 HWK R G V0 \$ 7       |         |

### ELECTIVES FRXUVHV FUHGLWV

&KRVHQ IURP FRPSXWHU VFLHQFH RU DGYDQFHG PDWKHPDWLFV

Recommended courses include

- & 203
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### CORRELATES FRXUVHV FUHGLWV

&KRVHQ IURP FRPSXWHU VFLHQFH RU JUDGXDWHPDWLF visualization

# Specialization in Actuarial and Financial Mathematics

## 7RWD0 & UHGLWV

### REQUIRED COURSES FRXUVHV FUHGLWV

| Course #  | Course Name                     | Credits |
|-----------|---------------------------------|---------|
| 0\$7+     | Calculus I                      |         |
| 0\$7+     | Calculus II                     |         |
| MATH 1510 | Multivariable Calculus          |         |
| 0\$7+     | /LQH DU \$OJHEUD                |         |
| 0\$7+     | Probability Theory              |         |
| 0\$7+     | Mathematical Statistics RU 0\$7 |         |
| 0\$7+     | 0DWKHPDWLFV RI )LQDQFH RU 0\$7  |         |

### ELECTIVES FRXUVHV FUHGLWV

&KRVHQ IURP HFRQRPLFV EXVLQHV LQWHOOLJHQFH DQG PDUN

Recommended courses include

- (&21 • FIN 1001
- (&21 • , '6
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- (&21 • , '6
- ACC 1001 • , '6
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### CORRELATES FRXUVHV FUHGLWV

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