

## Department of Mathematics and Statistics Long Range Schedule

### 2020-2021

1. Courses that are listed as 3 credit hours meet MWF for 50 minutes or TR for 75 minutes. Courses that are listed as 4 credit hours meet four days per week for 50 minutes each day, or two days with 75 minutes of lectures plus two days with 50 minutes of recitations. The final format is dependent on available classroom space. Courses marked (VAR) are variable credit courses. Specific faculty assignments are subject to change.
2. In the summer 10-week session. Courses that are listed as 3 credit hours meet MWF for 75 minutes. Courses that are listed as 4 credit hours meet four days a week for 75 minutes. In the summer 5-week session. Courses that are listed as 3 credit hours meet MTWRF for 90 minutes. Courses that are listed as 4 credit hours meet MTWRF for 90 minutes with two extra meetings per week. The time for the extra two meetings is tentative and is listed in parenthesis after the main meeting time.
3. Courses not being offered are listed as N/A; courses offered conditional on departmental decision are listed as TBD.
4. Outreach courses are indicated by (OR). Courses in lecture recitation format are indicated by (LR) or (R).
5. The schedule for 5000, 6000 and 7000 level courses are tentative. Final offerings at these levels will depend on anticipated student needs. Summer offerings of courses are contingent on enrollment.
6. At the 1000 - 2000 level additional times to those listed are often available according to enrollment needs and according to staffing and space availability.

### Mathematics

Course	Hr	Fall 2020	Spring 2021
College Algebra MATH 1000	3	MWF 8a	8a MWF
College Algebra 1003	3	Online	Online
Finite Math & Applications MATH 1100	3	N/A	TR 8a, 1p, 3:30p
Pre-calculus Algebra MATH 1120	3	MWF 8a, 9a, 10a, 12p, 1p, 2p, 3p. TR 8a, 11a, 12:30p, 2p, 3:30p.	MWF 10a, 11a, 1p, 2p.
Pre-calculus Algebra MATH 1123	3	Online	Online
Precalculus Trig MATH 1130	3	MWF 11a, 1p. TR 8a, 9:30a, 11a, 12:30p, 2p.	MWF 8a, 11a, 1p. TR 12:30p, 2p.
Pre-calculus Algebra MATH1133	3	Online	Online
Precalc Algebra & Trig MATH 1150	4	MTWF/MWRF/MTWR/MTRF 8a, 9a, 10a, 11a, 12p, 1p, 2p, 3p, 4p.	MTWF 9a, 12p. MWRF 9a, 10a.
Precal Algebra & Trig MATH1153	4	Online	Online

<b>Calculus I MATH 1610</b>	4	MTWF/MWRF 8a, 9a, 10a, 12p, 1p, 3p, 4p TR 11a (lecture) WF 11a, 12p, 1p, 2p,3p,4p (recitation) TR 12:30p (lecture) WF 12p, 1p, 2p,3p,4p (recitation). TR 2p (lecture) WF 11a,12p, 1p, 2p, 3p,4p,5p (recitation)	MTWF or MWRF or MTWR or MTRF 8a, 9a, 10a, 11a, 12p, 1p TR 2p (lecture) WF 10a, 11a, 1p, 2p,3p,4p (recitation)
<b>Mathexel Cal Workshop I MATH 1611</b>	2	N/A.	N/A
<b>Calculus I MATH 1613</b>	4	Online	Online
<b>Honors Calculus I MATH 1617</b>	4	MTWF/MWRF 9a,10a, 11a, 12p, 1p	N/A
<b>Calculus II MATH 1620</b>	4	MTWF/MWRF 8a, 9a, 10a, 4p. TR 12:30 (lecture) WF 12p, 1p, 2p, 3p (recitation).	TR 12:30 (lection) WF 12p, 1p, 2p, 3p (recitation). MTWF/MWRF/MTWR/MTRF 8a, 9a, 10a, 12p, 1p, 2p, 3p
<b>Mathexel Cal Workshop II MATH 1621</b>	2	N/A	N/A
<b>Calculus II MATH1623</b>	3	Online	Online
<b>Honors Calculus II MATH 1627</b>	4	MWF 10a	MTWF 9a, 11a. MWRF 10a.
<b>Calculus with Business Apps I MATH 1680</b>	4	MTWF/ MTRF/MWRF 8a, 9a, 10a, 1p, 2p, 3p. MWF 12p	MTWF/MWRF/MTWF/MTRF 8a, 9a, 11a, 12p, 1p, 2p.
<b>Calculus with Business Apps I MATH 1683</b>	4	Online	Online
<b>Calculus with Business Apps II MATH 1690</b>	3	MWF 2p.	MWF 3p.
<b>Calculus III MATH 2630</b>	4	MTWF/MWRF/MTWR 8a, 9a, 10a, 11a. MW 12:30p (lecture) TR 11p, 12p, 1p, 2p, 3p,4p (recit MW 2p (lecture) TR 11p, 12p, 1p, 2p, 3p,4p (recitation)	MWRF/MTWR/MTRF 8a, 9a, 12p, 1p, 3p.
<b>Honors Calculus III MATH 2637</b>	4	MTWF 9a. MWRF 10a.	MTWF 9a.
<b>Linear Differential Equations MATH 2650</b>	3	MWF 9a, 10a, 11a, 12p, 1p, 2p. TR 8a, 9:30a, 11a, 12:30p, 2p.	MWF 10a, 11a, 12p, 1p, 2p. TR 8a, 9:30a, 11a, 12:30p, 2p.
<b>Topics in Linear Algebra MATH 2660</b>	3	MWF 8a, 9a, 11a, 12p, 1p, 2p. TR 8a, 9:30a, 11a, 12:30p.	MWF 8a, 9a, 10a, 11a, 1p, 2p. TR 9:30a, 11a, 12:30p, 2p.
<b>Mathematics of Interest Th. MATH 2790</b>	3	N/A	MWF 11a
<b>Math for Elementary Ed I MATH 2850</b>	3	MWF 9a, 10a	MWF 8a, 9a.
<b>Math for Elementary Ed II MATH 2860</b>	3	MWF 12p	MWF 12p, 2p
<b>Math for Elementary Ed III MATH 2870</b>	3	MWF 8a.	MWF 10a
<b>History of Mathematics MATH 3010</b>	3	N/A	MWF 11a.

<b>Intro To Adv Mathematics MATH 3100</b>	3	MWF10a, 12p.	MWF 9a, 11a
<b>Discrete Mathematics MATH 3710</b>	3	MWF 1p.	MWF 1p.
<b>Actuarial Seminar in Finance MATH 4790</b>	3	TR 9:30	N/A
<b>Actuarial Seminar in Prob MATH 4820</b>	3	N/A	TR 11a
<b>Math Modeling Continuous MATH 5000/6000</b>	3	TR 11a.	N/A
<b>Complex Variables with App I MATH 5030/6030</b>	3	TR 2p	N/A
<b>Complex Variables with App II MATH 5040/6040</b>	3	N/A	TR 2p
<b>Matrix Theory &amp; Applications MATH5050/6050</b>	3	N/A	TR 2p
<b>Number Theory MATH5110/6110</b>	3	MWF 11a	N/A
<b>Information Theory MATH 5120/6120</b>	3	MWF 2p.	N/A
<b>Date Compression MATH 5140/6140</b>	3	N/A	MWF 12p.
<b>Algebraic Coding Theory MATH 5150/6150</b>	3	N/A	TR 3:30p.
<b>Cryptography MATH 5180/6180</b>	3	N/A	MWF 11a.
<b>Analysis I MATH 5200/6200</b>	3	TR 12:30	MWF 1p.
<b>Analysis II MATH 5210/6210</b>	3	MWF 1p	TR 12:30
<b>Intro to Abstract Algebra I MATH 5310/6310</b>	3	MWF 10a.	N/A
<b>Intro to Abstract Algebra II MATH 5320/6320</b>	3	TR 2p	MWF 2p.
<b>Computational Algebra MATH533/6330</b>	3	MWF 9a	MWF 2p.
<b>Interm Euclidean Geometry I MATH 5380/6380</b>	3	MWF 1p	N/A
<b>Interm Euclidean Geometry II MATH 5390/6390</b>	3	N/A	MWF 1p
<b>Introduction to Topology MATH 5500/6500</b>	3	MWF 12p.	N/A
<b>Intro to Numerical Analysis I MATH 5630/6630</b>	3	TR 11a, 12:30p.	TR 12:30p.

<b>Intro to Numerical Analysis II MATH 5640/6640</b>	3	N/A	TR 11a.
<b>Theory of Nonlinear Optimiz. MATH5650/6650</b>	3	N/A	N/A
<b>Probty &amp; Stoch Process I MATH 5670/6670</b>	3	MWF 8a	N/A
<b>Probty &amp; Stoch Process II MATH 5680/6680</b>	3	N/A	MWF 8a.
<b>Linear Optimization MATH5710/6710</b>	3	N/A	N/A
<b>Enumeration MATH 5730/6730</b>	3	N/A	MWF 1p.
<b>Graph Theory MATH 5750/6750</b>	3	MWF 12p.	N/A
<b>Combinatorial designs MATH 5770/6770</b>	3	MWF 10a.	N/A
<b>Actuarial Mathematics I MATH 5800/6800</b>	3	TR 9:30a.	N/A
<b>Actuarial Mathematics II MATH 5810/6810</b>	3	N/A	TR 9:30a.
<b>Financial Mathematics MATH 5870/6870</b>	3	TR 12:30p.	N/A
<b>Applied Mathematics I MATH 7000</b>	3	TR 8a	N/A
<b>Applied Mathematics II MATH 7010</b>	3	N/A	TR 2p.
<b>Approximation Theory I MATH 7040</b>	3	N/A	N/A
<b>Approximation Theory II MATH 7050</b>	3	N/A	N/A
<b>Discrete Geom &amp; Convexity I MATH 7110</b>	3	MWF 11a.	N/A
<b>Discrete Geom &amp; Convexity II MATH 7120</b>	3	N/A	MWF 11a.
<b>Axiomatic Set Theory I MATH 7150</b>	3	TR 2p	N/A
<b>Axiomatic Set Theory II MATH 7160</b>	3	N/A	TR 2p
<b>Real Analysis I MATH 7200</b>	3	TR 11a	N/A
<b>Real Analysis II MATH 7210</b>	3	N/A	TR 11a
<b>Funcs of Complex Variables I MATH7230</b>	3	N/A	TR 2p

<b>Functs of Complex Variables II MATH7240</b>	3	N/A	N/A
<b>Adv Thry Ordinary Diff Eq I MATH 7280</b>	3	N/A	N/A
<b>Adv Thry Ordinary Diff Eq II MATH 7290</b>	3	TR 11a	N/A
<b>Algebra I MATH7310</b>	3	MWF 2p.	N/A
<b>Algebra II MATH7320</b>	3	N/A	TR 2p.
<b>Matrices I MATH7370</b>	3	TR 11a	N/A
<b>Matrices II MATH7380</b>	3	N/A	TR 11a
<b>Functional Analysis I MATH7400</b>	3	N/A	N/A
<b>Functional Analysis II MATH7410</b>	3	N/A	N/A
<b>Partial Diff Equations I MATH 7440</b>	3	MWF 11a	N/A
<b>Partial Diff Equations II MATH 7450</b>	3	N/A	MWF 11a
<b>Topology I MATH 7500</b>	3	TR 9:30a	N/A
<b>Topology II MATH 7510</b>	3	N/A	TR 9:30a
<b>Continuum Theory I MATH 7530</b>	3	N/A	N/A
<b>Continuum Theory II MATH 7540</b>	3	N/A	N/A
<b>Set Theoretic Topology I MATH7550</b>	3	TR 12:30	N/A
<b>Set Theoretic Topology II MATH7560</b>	3	N/A	TR 12:30p
<b>Euclidean Topology I MATH 7570</b>	3	N/A	N/A
<b>Euclidean Topology II MATH 7580</b>	3	N/A	N/A
<b>Adv Numerical Matrix Analysis MATH7600</b>	3	N/A	N/A
<b>Numerical Solution of PDE I MATH7610</b>	3	TR 12:30p	N/A
<b>Numerical Solution of PDE II MATH7630</b>	3	N/A	TR 12:30p.

<b>Advanced Graph Theory MATH7700</b>	3	MWF 12p	N/A
<b>Computational Geometry MATH7710</b>	3	N/A	N/A
<b>Coding Theory I MATH 7720</b>	3	N/A	N/A
<b>Coding Theory II MATH 7730</b>	3	N/A	N/A
<b>Adv Combinatorial Designs MATH 7740</b>	3	N/A	TR 11a
<b>Introduction to Coding Theory MATH7750</b>	3	N/A	TR 9:30a
<b>Intro to Algebraic Topology I MATH 7760</b>	3	N/A	N/A
<b>Intro to Algebraic Topology II MATH 7770</b>	3	N/A	N/A
<b>Probability I MATH 7800</b>	3	MWF 10a	N/A
<b>Probability II MATH 7810</b>	3	N/A	MWF 10a
<b>Applied Stoch Processes I MATH 7820</b>	3	MWF 9a	N/A
<b>Applied Stoch Processes II MATH 7830</b>	3	N/A	MWF 9a
<b>Real Funcs &amp; Set Theory I MATH 7870</b>	3	N/A	N/A
<b>Real Funcs &amp; Set Theory II MATH 7880</b>	3	N/A	N/A
<b>Seminar MATH 7950</b>	Var	M 3p W 3p F 4p	M 3p W 3p F 4p
<b>Homological Algebra I MATH 8310</b>	3	N/A	N/A
<b>Homological Algebra II MATH 8320</b>	3	N/A	N/A
<b>Adv Functional Analysis I MATH 8400</b>	3	N/A	N/A
<b>Adv Functional Analysis II MATH 8410</b>	3	N/A	N/A
<b>Special Topics MATH 8970</b>	3	Various	Various

<b>Course</b>	<b>Hr</b>	<b>Summer 2021 (Full)</b>	<b>Summer 2021 (Mini 1)</b>	<b>Summer2021 (Mini II)</b>
<b>College Algebra MATH 1000</b>	3	N/A	MTWRF 8a.	N/A
<b>College Algebra 1003</b>	3	Online	N/A	N/A
<b>Finite Math &amp; Applications MATH 1100</b>	3	N/A	N/A	MTWRF 1:15p
<b>Pre-calculus Algebra MATH 1120</b>	3	N/A	MTWRF 8a.	MTWRF 9:45a
<b>Pre-calculus Algebra MATH 1123</b>	3	Online	N/A	N/A
<b>Precalculus Trig MATH 1130</b>	3	N/A	N/A	MTWRF 8a.
<b>Pre-calculus Algebra MATH1133</b>	3	Online	N/A	N/A
<b>Precalc Alegbra &amp; Trig MATH 1150</b>	4	MTWR 9:45	N/A	N/A
<b>Precal Algebra &amp; Trig MATH1153</b>	4	Online	N/A	N/A
<b>Calculus I MATH 1610</b>	4	MTWR 8a, 9:45a, 1:15p.	N/A	N/A
<b>Calculus I MATH 1613</b>	4	Online	N/A	N/A
<b>Calculus II MATH 1620</b>	4	MTWR 8a, 9:45a, 1:15p.	N/A	N/A
<b>Calculus II MATH1623</b>	3	Online	N/A	N/A
<b>Calculus with Business Apps I MATH 1680</b>	4	MTWR 8a, 9:45a.	N/A	N/A
<b>Calculus with Business Apps I MATH 1683</b>	4	Online	N/A	N/A
<b>Calculus III MATH 2630</b>	4	MTWR 8a, 9:45a, 11:30a, 1:15p.	N/A	N/A
<b>Linear Differential Equations MATH 2650</b>	3	MWF 8a, 1:15p	MTWRF 9:45a, 11:30a.	MTWRF 9:45a
<b>Topics in Linear Algebra MATH 2660</b>	3	MWF 8a, 1:15p	MTWRF 9:45a.	MTWRF 11:30a.
<b>Intro To Adv Mathematics MATH 3100</b>	3	N/A	N/A	MTWRF 1:15p.
<b>Discrete Mathematics MATH 3710</b>	3	N/A	N/A	N/A
<b>Math Modeling Continuous MATH5000/6000</b>	3	N/A	N/A	MTWRF 11:30a

<b>Algebraic Coding Theory MATH 5150/6150</b>	3	N/A	MTWRF 1:15p.	N/A
<b>Analysis I MATH 5200/6200</b>	3	N/A	MTWRF 11:30a	N/A
<b>Interm Euclidean Geometry I MATH 5380/6380</b>	3	N/A	N/A	MTWRF 9:45a.
<b>Intro to Numerical Analysis I MATH 5630/6630</b>	3	N/A	MTWRF 9:45a	N/A

## Statistics

<b>Course</b>	<b>Fall 2020</b>	<b>Spring 2021</b>	<b>Summer 2021 (Full)</b>	<b>Summer 2021 (Mini 1)</b>	<b>Summer 2021 (Mini 2)</b>
<b>Stats for Bio &amp; Health STAT 2510</b>	MWF 8a, 9a, 10a, 11a, 12p, 1p, 2p. TR 8a, 11a, 12:30p, 2p, 3:30p.	MWF 8a, 9a, 10a, 11a, 12p, 1p, 2p. TR 9:30a, 11a, 12:30p.	N/A	MTWRF 1:15p	MTWRF 1:15p
<b>Stats for Bio &amp; Health STAT 2513</b>	Online	Online	Online	N/A	N/A
<b>Stats for Engineers &amp; Sci STAT 3010</b>	MWF 9a, 1p.	MWF 8a, 1p. TR 12:30p, 2p.	N/A	MTWRF 9:45a	N/A
<b>Probability &amp; Statistics I STAT 3600</b>	MWF 11a, 12p, 2p.	MWF 9a, 10a, 2p.	MWF3p	MTWRF 8a	MTWRF 9:45a
<b>Probability &amp; Statistics II STAT 3610</b>	TR 11a.	TR 8a.	N/A	N/A	MTWRF 9:45a
<b>Probability &amp; Statistics II Lab STAT 3611</b>	T 3:30p	TR 2p	N/A	N/A	MW 3p.
<b>Applied Regression Analysis STAT 4610</b>	TR 2p.	TBD	N/A	N/A	N/A
<b>Inter Stat for Data Sci STAT5000/6000</b>	TR 9:30	N/A	TBD	TBD	TBD
<b>SAS Programming STAT 5110/6110</b>	TR 2p.	N/A	TBD	TBD	TBD
<b>Prob/Stat for Data Sci. STAT5600/6600</b>	TR 3:30p	N/A	N/A	N/A	N/A
<b>Statistical Learning STAT5650/6650</b>	N/A	TR 12:30p	N/A	N/A	N/A
<b>Experimental Statistics I STAT 7000</b>	TR 8a W 3p, 4p	TR 9:30a, W 2p	TBD	TBD	TBD
<b>Experimental Statistics II STAT7010</b>	TR 8a.	TR 12:30p	N/A	N/A	N/A
<b>Regression Analysis STAT 7020</b>	TR 2p.	TR 11a	N/A	N/A	N/A
<b>Categorical Data Anlysis STAT 7030</b>	TR 12:30p	N/A	N/A	N/A	N/A



<b>Biostatistics STAT7040</b>	TR 11a	N/A	N/A	N/A	N/A
<b>Data Analysis and Computation STAT7250</b>	N/A	N/A	N/A	N/A	N/A
<b>Stat Th. &amp; Methods I STAT 7600</b>	TR 3:30p	N/A	N/A	N/A	N/A
<b>Stat Theory &amp; Methods II STAT7610</b>	N/A	TR 3:30p	N/A	N/A	N/A
<b>Nonparametric Statistics STAT 7620</b>	TR 9:30a	N/A	N/A	N/A	N/A
<b>Computation of Stats STAT 7650</b>	N/A	N/A	N/A	N/A	N/A
<b>Appl. Longitudinal Data Analysis STAT 7670</b>	N/A	TR 8a	N/A	N/A	N/A
<b>Generalized Linear Models STAT 7700</b>	N/A	N/A	N/A	N/A	N/A
<b>Survival Analysis STAT 7780</b>	N/A	N/A	N/A	N/A	N/A
<b>Linear Models STAT 7800</b>	N/A	TR 9:30a	N/A	N/A	N/A
<b>Appl Multivariate Stat Anlys STAT7840</b>	N/A	TR 11a	N/A	N/A	N/A
<b>Theory of Inference STAT7850</b>	N/A	TR 2p	N/A	N/A	N/A
<b>Applied Time Series Analysis STAT7860</b>	TR 2p.	TBD	N/A	N/A	N/A
<b>Special Topics STAT7970</b>	N/A	TR 12:30p	N/A	N/A	N/A