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| *Approved: May 2016* | *Effective: SPRING 2017* | |
| **MATERIAL TO BE COVERED** | **SECTIONS FROM TEXT** | **TIME LINE** |
| Radical expressions, simplify, multiply, divide, add, subtract, functions, rational exponents, radical equations, complex numbers. | 7.1 - 7.7 | 7.5 Hours |
| Quadratic equations, square root property, completion of the square, formula, quadratic functions and their graphs, equations quadratic in form, quadratic and rational inequalities. | 8.1 - 8.5 | 9.5 Hours |
| Exponential and logarithmic functions, composite and inverse functions, logarithmic properties, exponential and logarithmic equations, exponential growth, decay and modeling. | 9.1 - 9.6 | 10 Hours |
| Distance and midpoint formulas, circles, ellipse, hyperbola, parabola, identifying conics, systems of nonlinear equations. | 10.1 - 10.5 | 7.5 Hours |
| Sequences, summation notation, Binomial theorem. | 11.1 & 11.4 | 2.5 Hours |
| Review 71A topics |  | 2.5 Hours |
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| 3-unit class: hours total 42.5 (15 x 2 hours 50 minutes) – hours for exams + 2.5 hour final This outline allows for 3 hours of exams.  **Final Exam to be comprehensive, Chapters 1 - 11.** | | |
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| Submitted by: Beydler, Chavez, Graham, Peng, Rivers, Takashima, Troxell, Wakefield | |  |

Math Department Policy can be found at: <https://www.mtsac.edu/math/departmentpolicy.html>