|  |  |
| --- | --- |
| *Approved: May 2016* | *Effective: FALL 2016* |
| **MATERIAL TO BE COVERED** | **SECTIONS FROM TEXT** | **TIME LINE** |
| Algebraic expressions, operations with real numbers, graphing equations, linear equations, formulas, applications, exponents. | 1.1 - 1.6 | 6.25 Hours |
| Introduction to functions, algebra of functions, linear functions, equation of lines. | 2.1 - 2.5 | 6.25 Hours |
| Systems of linear equations in two and three variables with applications. | 3.1 - 3.3 | 5 Hours |
| Linear inequalities, compound inequalities, equations and inequalities with absolute value, linear inequalities in two variables. | 4.1 - 4.4 | 5 Hours |
| Polynomial functions, multiplication and factoring of polynomials, polynomial equations with applications. | 5.1 - 5.7 | 8.5 Hours |
| Rational expressions, multiply, divide, add, subtract, complex rational expressions, polynomial division, rational equations, formulas and applications of rational equations. OPTIONAL: Synthetic Division | 6.1 - 6.4, 6.6. 6.7 Optional: 6.5 | 8.5 Hours |
|  |  |  |
| 3-unit class: hours total 42.5 (15 x 2 hours 50 minutes) – hours for exams + 2.5 hour finalThis outline allows for 3 hours of exams.**Final Exam to be comprehensive, Chapters 1 - 6.****71B Final Exam will be comprehensive, Chapters 1 - 11.** |
|  |
| Submitted by: Beydler, Chavez, Graham, Peng, Rivers, Takashima, Troxell, Wakefield |  |

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