## MATH1020 - Intermediate Algebra

$\left.\begin{array}{|l|l|}\hline \text { Credits: } & \text { 3(3/0/0) } \\ \hline \text { Description: } & \begin{array}{l}\text { This course includes equations of lines, systems of equations, rational expressions and } \\ \text { equations, functions, radical expressions and equations, complex numbers, absolute value } \\ \text { equations and inequalities, and solving quadratic equations using factoring, completing the } \\ \text { square and the quadratic formula. }\end{array} \\ \hline \text { Prerequisites: } & \begin{array}{l}\text { - Math 0095 with a grade of C or higher } \\ \text { OR } \\ \text { - placement by assessment }\end{array} \\ \hline \text { Corequisites: } & \begin{array}{l}\text { Pre/Corequisites }\end{array} \\ \hline \text { Competencies: } & \begin{array}{l}\text { 1. Identify functions and their graphs. } \\ \text { 2. Evaluate and graph functions. }\end{array} \\ \hline \text { 3. Find domains and ranges of functions. } \\ \text { 4. Solve systems of two linear equations using graphing, substitution and elimination. } \\ \text { 5. Simplify rational expressions. } \\ \text { 6. Solve rational equations. } \\ \text { 7. Perform long and synthetic division of polynomials. } \\ \text { 8. Simplify radical expressions. } \\ \text { 9. Solve radical equations. } \\ \text { 10. Perform operations on complex numbers. } \\ \text { 11. Solve equations using factoring, the quadratic formula and completing the square. } \\ \text { 12. Solve absolute value equations and inequalities. } \\ \text { 13. Find the equation of a line. } \\ \text { 14. Perform operations on rational expressions. } \\ \text { 15. Perform operations on radical expressions. }\end{array}\right\}$

[^0]
[^0]:    *Can be taking as a Prerequisite or Corequisite.

