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| **Course title:**  Foundations of Math for Teachers I | **Recommended Course Number:** |
| **Recommended Credit Hours:** | **Recommended Course Prerequisites and/or Co-requisites:** |
| **Next Course in Sequence:** |

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| **Purpose of Course:**  Prepare future teachers to teach math |
| **Intended Audience:**  ECE and ECU Majors, perhaps liberal studies |
| **Course Description:**  First of a two-course sequence for future teachers designed to deepen their conceptual understanding of mathematics. Topics will include problem solving, patterns, reasoning & proof, making mathematical connections, sets, understanding algebraic thinking, numeration systems, understanding the four fundamental operations of arithmetic, basic number theory, and real number system. |
| **Course Major Units:**   * problem solving * patterns * reasoning & proof * making mathematical connections * sets * understanding algebraic thinking * numeration systems * understanding the four fundamental operations of arithmetic * basic number theory * real number system |
| **Learning Outcomes:**   * Apply problem solving skills to numerical applications at both the primary and secondary level that students would encounter. |
| **Comments:**  Prerequisite  Transfer course?  Don’t teach at NM but those are the major topics that I taught @UMPI. Similar course title.  Teaching methods, the how to teach math  Should it live in an EDU or a Math designation?  Teach teachers to teach math? Techniques  Methods and math course?  The last bit is confusing  More details |