

## **Michigan Test for Teacher Certification**

## TEST OBJECTIVE AND SUBAREA MATCHING WORKSHEET

This worksheet may be used to review courses in relation to the Michigan Test for Teacher Certification (MTTC) program.

Mathematics Secondary (022)

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| Test name and field number |  |   |   |   |   |   |    |    |    |    |    | Chart prepared by |     |    |    |    |    |    |    |    |    |    |    |    | -  | Date |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----------------------------|--|---|---|---|---|---|----|----|----|----|----|-------------------|-----|----|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                            | Test Objectives and Subareas  Subarea No.: |   |   |   |   |   |    |    |    |    |    |                   |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                            | Subarea No.:                               | ı | ı | ı | I | I | II | II | II | II | li | III               | III | Ш  | Ш  | IV | IV | IV | IV |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                            | Objective No.:                             | 1 | 2 | 3 | 4 | 5 | 6  | 7  | 8  | 9  | 10 | 11                | 12  | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25   | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|                            | MTH 210                                    | Х |   | Х | Х |   |    |    |    |    |    |                   |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Course Name                | MTH 329                                    |   | Х | Х | Х | Х |    | Х  |    |    | Х  | Х                 |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                            | MTH 229                                    |   | Х |   |   | Х | Х  | Х  | Х  |    |    | Х                 | Х   | Х  |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                            | MTH 203                                    |   |   |   | Х |   |    |    |    |    |    |                   |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                            | MTH 204                                    |   |   |   | Х | Х |    | Х  |    |    |    |                   |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                            | MTH 3 <b>3</b> 1                           |   |   |   |   |   |    |    |    |    |    |                   | Χ   | Х  |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                            | MTH 315                                    |   |   |   |   |   |    |    |    |    |    |                   |     |    |    |    |    |    | Χ  |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                            | STA 312                                    |   |   |   |   |   |    |    |    |    |    |                   |     |    | Χ  | Χ  | Х  | Χ  |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                            | MTH 350                                    |   |   | Х | Х | Х |    |    |    |    |    |                   |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                            | MTH 122/123/1 <b>24</b> /201               |   |   |   |   |   | Х  | Х  | Х  | Х  |    |                   |     |    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

## TEST OBJECTIVE AND SUBAREA MATCHING WORKSHEET (continued)

## Additional Resources:

There are many YouTube screencasts available at <a href="https://www.youtube.com/user/GVSUmath">https://www.youtube.com/user/GVSUmath</a>. This is a great resource for many objectives related to pre-calculus and calculus content.

We plan to create some new screencasts for the above link to meet some of the objectives that are not covered in our courses (for example, fractals, non-linear regression, and linear programming.

Note that the X's shown in the above table mean that MOST of the pieces of the objective are met by the class/classes. For example, Objective 018 is primarily met by MTH 315, but MTH 315 does not cover linear programming. Similarly, Objective 017 is primarily met by STA 312, but STA 312 does not cover non-linear regression.