**Tentative Multi/DEQ 1st Quarter Schedule**

**2023--2024**

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| DAY # | DATE | TODAY’S TOPIC | Assignments |
| Week 1 | 7/17 | Teacher in-service |  |
|  | 7/18 | Teacher in-service |  |
|  | 7/19 | First day of school |  |
|  | 7/20 | Syllabus; Sign up for Teams/Notebooks/Textbooks/Reset passwords |  |
|  | 7/21 | 11.1: Plane coordinates and vectors in the pant | A: 5,9,19,27,31,39B: 46,54,78,82,84 |
| Week 2 | 7/24 | 11.2: Space coordinates and vectors in space | A: 23,41,51,57,75,29B: 28,62,66,90,98,100 |
|  | 7/25 | 11.3: The Vector Dot Product | A: 3,9,17,21,35,61B: 54,58,60,64,66,76,77 |
|  | 7/26-27 | 11.4: The Vector Cross Product | A: 1,5,7,9,17,35B: 26,28,30,38,46 |
|  | 7/28 | Problems Quiz 11/1-11.4 |  |
| Week 3 | 7/31 | 11.5: Lines and Planes in Space | A: 5,9,15,25,29B: 32,40,42,50,76,84,86 |
|  | 8/1 | 11.6: Surfaces in Space | A: 1-6,9,13B: 18,24,32,36 |
|  | 8/2-3 | 11.7 Cylindrical and spherical coordinates | A: 3, 7, 13, 23, 29, 35, 57-62B: 84, 86, 96, 100, 102 |
|  | 8/4 | Ch 11 Test I |  |
| Week 4  | 8/7 | Ch 11 Test II |  |
|  | 8/8 | 12.1 Vector Valued Functions | A: 5, 9, 17, 19-22, 27B: 34, 54, 67, 70, 81 |
|  | 8/9—10 | 12.3 Velocity and Acceleration/Problems | A: 3, 15, 21, 25B: 28, 32, 34, 44 |
|  | 8/11 | Quis 12.1 – 12.3 |  |
| Week 5 | 8/14 | 12.4 Tangent and Normal Vectors | A: 3, 7, 13, 21, 33B: 34, 54, 67, 70, 80 |
|  | 8/15 | 12.5 Arc Length and Curvature | A: 3, 11, 19, 23, 29, 41B: 18, 40, 44, 68, 70 |
|  | 8/16—17 | Problems |  |
|  | 8/18 | Ch 12 Test |  |
| Week 6 | 8/21 | 13.1 Functions of Several Variables | A: 20, 24, 30, 34B: 41, 44, 45-48, 78-9, 80, 81 |
|  | 8/22 | 13.2 Limits and Continuity of Multivariable Functions | A: 1, 14, 28, 44, 62, 64 |
|  | 8/23—24 | Problems |  |
|  | 8/25 | 13.3 Partial Derivatives | A: 10, 12, 18, 44, 62B: 84, 88, 115, 116, 120 |
| Week 7 | 8/28 | Quiz 13.1—13.3 |  |
|  | 8/29 | 13.4 Differentials |  A: 2, 6, 12, 18, 30B: 18, 40, 44, 68, 70 |
|  | 8/30—31 | Problems |  |
| Quiz 13.1 | 9/1 | 13.5 Chain Rules for Multivariable Functions | A: 2, 4, 6, 14, 18, 26B: 20, 34, 40, 52, 53 |
| Week 8  | 9/4 |  No School—Labor Day |  |
|  | 9/5 | 13.6 Directional Derivatives and Gradients | A: 2, 6, 10, 14, 20, 28, 42, 48B: 26, 34, 46, 64, 68 |
|  | 9-6/7 | Problems |  |
|  | 9/8 | 13.7 Tangent Planes and Normal Lines | A: 4, 6, 10, 22B: 32, 38, 42, 48, 50, 52 |
| Week 9  | 9/11 | 13.8 Extrema of Multivariable Functions |  A: 2, 4, 8, 10, 42B: 44, 46; 13.9: 10, 12 |
|  | 9/12 | 13.10 Lagrange Multipliers | A: 2, 10, 18, 22B: 16, 26, 44, 46 |
|  | 9/13—14 | Problems |  |
|  | 9/15 | Ch 13 Test |  |
| Week 10 | 9/18 | Chapter 14 or use these days as needed for extra practice in the quarter.  |  |
|  | 9/19 | Chapter 14 or use these days as needed for extra practice in the quarter.  |  |
|  | 9/20--21 | Chapter 14 or use these days as needed for extra practice in the quarter.  |  |
|  | 9/22 | Chapter 14 or use these days as needed for extra practice in the quarter.  |  |