

MAC 2311 SYLLABUS Spring 2012

TEXT: *Calculus, Early Transcendentals*,
- Ninth Edition, by Anton, Bivens and Davis.

DAILY WORK: Do the reading from the sections to be covered before coming to class each day. The exercises suggested below represent a minimal assignment and should also be done as the material is covered. Some students may have to work additional exercises from the text to attain sufficient mastery of the material.

You are expected to arrange your personal and work schedule to allow you to take the exams at the scheduled time.

| WEEK | DATES | SEC |
|------|---------------|--------------------|
| 1 | Jan 9–13 | 0.1–0.2 0.3–0.5 |
| 2 | Jan 17–20 | 1.1–1.3 1.4–1.6 |
| 3 | Jan 23–27 | 2.1–2.2, 2.3, |
| 4 | Jan 30–Feb 3 | 2.4 2.5 |
| 5 | Feb 6–10 | 2.6 3.1–3.2 |
| 6 | Feb 13–17 | 3.3 TEST I |
| 7 | Feb 20–24 | 3.4 3.5 |
| 8 | Feb 27– Mar 2 | 3.6 4.1 |
| 9 | Mar 5–9 | 4.2 TEST II |
| 10 | Mar 12–16 | break |
| 11 | Mar 19–23 | 4.3 4.4 |
| 12 | Mar 26–30 | 4.5 4.8 |
| 13 | Apr 2–6 | 5.2 5.3 |
| 14 | Apr 9–13 | REVIEW TEST III |
| 15 | Apr 16–20 | REVIEW |

HomeWork

| § | EXERCISES |
|------|---|
| 0.1 | 1 - 4 all, 7 - 10 all, 15 - 28 all, 35, 36 |
| 0.2 | 1 - 39 odd, 41 - 44 all, 51 - 54 all, 59 - 61 all, 66 -69 all |
| 0.3 | 1 - 6 all, 11, 25 - 33 all, 35, 36 |
| 0.4 | 1, 3, 9 - 21 odd, 22, 24, 25, 27 - 29 all, 31 - 41 all |
| 0.5 | 1, 2, 5, 6, 9 - 30 all, 35 - 38 all, 42, 45, 55 |
| 1.1 | 1 - 10 all, 17 - 20 all, 27 - 30 all |
| 1.2 | 1 - 38 all, 39(a), 40 - 44 all, 46 - 48 all |
| 1.3 | 1 - 6 all, 9 - 44 all, 47 - 52 all, Show 53(c) & 54(c) false, 55 - 62 all |
| 1.4 | 1 - 4 all, 9 - 12 all, 13 - 21 odd, 22 - 36 all |
| 1.5 | 1 - 6 all, 8, 11 - 32 all, 34 - 36 all, 43, 44, 47, 48, 56 |
| 1.6 | 1 - 16 all, 17 - 39 odd, 43 - 46 all, 51 - 63 all |
| 2.1 | 1 - 5 all, 11 -17 odd, 19 - 22 all |
| 2.2 | 1 - 4 all 7 - 23 odd, 24, 27 -34 all, 46 - 51 all |
| 2.3 | 1 - 25 odd, 29, 31, 33 - 40 all, 41 - 47 odd, 51 - 57 all, 59, 60, 65 - 73 all |
| 2.4 | 1 - 21 odd, 25 - 38 all, 41 |
| 2.5 | 1 - 31 odd, 35 - 43 all, 47 - 49 all |
| 2.6 | 1 - 6, 7 - 39 odd, 43 - 57 odd, 61 - 64 all, 66, 71 - 75 all, 80 |
| 3.1 | 1 - 24 all, 29,30 |
| 3.2 | 1 - 29 odd, 31 - 44 all, 45, 53 - 55 all |
| 3.3 | 1 - 10 all, 15 - 35 odd, 36, 37 - 51 odd, 53 - 56 all, 59 - 64 all, 71 - 76 all |
| 3.4 | 1 - 9 all, 11 - 19 all, 25, 26, 29, 32, 44 |
| 3.5 | 1, 2, 3(a), 5 - 16 all, 23 -33 odd, 37 - 45 odd, 47 - 50 all, 55 - 57 all, 62 -65 all |
| 3.6 | 1 - 6 all, 7 - 45 odd, 46 - 48 all, 49 - 56 all (w/o graph), 57 - 62 all, 66, 68, 69 |
| 4.1 | 1 - 14 all, 15 - 37 odd, 41, 42, 45, 46, 51, 52, 57 |
| 4.2 | 1 - 18 all, 21 -51 odd, 55, 57, 59 |
| 4.3 | 1, 3, 5, 27 - 30 all, 31 33, 35, 45, 47, 49, 55, 57, 59 |
| 4.4 | 1 - 6 all, 7 - 15 odd, 17 - 20 all, 21 - 41 odd, 55 |
| 4.5 | 1 - 6 all, 9 - 13 odd, 14, 19, 24, 34, 40, 66 |
| 4.8 | 1 - 8 all, 11 - 14 all, 15, 16, 19, 22, 23, 25 - 30 all, 32, 40 -42 all |
| 5.2 | 1 - 40 all, 43 - 57 all, 69 - 71 all |
| 5.3 | 1 - 12 all, 15 - 55 odd, 56 - 65 all, 69 - 72 all, 75 |
| 10.1 | 1, 2, 3 - 17 odd, 33 - 36 all, 41 - 51 all, 53, 54, 57, 58 |

Note: You may ignore those parts of problems that ask you to use "high technology" tools usually. The parts that can be done bare-handed, should be done.