

American University of Beirut
MATH 202 - Differential Equations

Instructor: Dr Mohamed Kobeissi (mk66@aub.edu.lb), Room 320 Bliss Hall

Office hours: MW 10:30 am - 12 pm, and by appointment

Textbook: - Thomas' Calculus, International edition, by Weir, Hass and Giordano.
- A First Course in Differential Equations with Modeling Applications, 9th edition,
by Dennis G. Zill

Course web page: <http://www.cs.aub.edu.lb/mk66/math202/math202.htm>

| section | Suggested problems |
|--|---|
| 16.1 → 16.4 | ... |
| 16.5 | 2, 6, 7, 9, 17, 19, 22, 26, 28, 31, 32, 37, 39, 41 |
| 16.6 | 3, 9, 10, 19, 21, 22, 25, 29 → 32, 35 → 38, 42 |
| 16.7 | 1, 3, 6, 9, 10, 13, 19, 20, 21, 26 |
| 16.8 | 1 – –6, 8, 9, 11, 13, 17, 18, 19, 21, 27, 28, 29 → 32 |
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| 1.2 | 1, 3, 6, 7, 9, 12, 15, 17, 19, 20, 22, 24, 29, 30 |
| 2.2 | 3, 7, 8, 12, 14, 15, 16, 17, 20, 21, 22, 23, 24, 26, 28, 30, 32 |
| 2.3 | 2, 3, 7, 10, 14, 15, 16, 17, 19, 20, 22, 23, 24, 26, 28, 31, 33 |
| 2.4 | 2, 3, 8, 9, 11, 12, 17, 18, 20, 22, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 38, 42a, 43 |
| 2.5 | 1, 8, 9, 10, 13, 14, 15, 16, 17, 18, 20, 22, 25, 29, 30, 35, 36 |
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| <i>quiz 1 (30%) Saturday, March 17</i> | |
| 4.1 | 2, 3, 5, 7, 9, 10, 12, 13, 14, 15, 18, 20, 25, 28, 31, 32, 35, 38, 39 |
| 4.2 | 1, 4, 5, 8, 9, 11, 13, 17, 19, 20 |
| 4.3 | 8, 11, 17, 19, 22, 23, 26, 27, 28, 30, 31, 32, 34, 36, 38, 41, 43, 45, 46, 48, 50, 59, 60 |
| 4.4 | 1, 5, 10, 15, 19, 21, 22, 25, 30, 35, 37, 38, 41, 45, 47 |
| 4.6 | 1, 2, 3, 6, 9, 13, 14, 15, 21, 22, 23, 24, 26, 28 |
| 4.7 | 4, 7, 11, 14, 15, 17, 20, 22, 27, 28, 33, 35, 36, 37 |
| Ch. 4 Review | 17, 18, 19, 20, 24, 29, 31 |
| 6.1 | 5, 6, 8, 12, 14, 15, 16, 18, 19, 23, 24, 25, 27, 30, 31, 36, 37, 39ad |
| 6.2 | 4, 5, 7, 10, 15, 19, 22, 23, 24, 26, 27, 28, 30, 32, 37 |
| 6.3 | 1, 2, 3, 6, 7, 11, 14, 15, 16, 18, 23, 30, 31, 32 |
| Ch. 6 Review | 9, 11, 12, 13, 23, 24 |
| <i>quiz 2 (30%) Saturday, April 21</i> | |
| <i>Friday, April 27, last day for withdrawal</i> | |
| 7.1 | 1, 5, 12, 13, 14, 15, 16, 17, 18, 23, 26, 27, 28, 29, 32, 33, 34, 35, 38, 40, 41, 42, 46 |
| 7.2 | 3, 4, 9, 13, 15, 17, 20, 24, 29, 30, 31, 32, 34, 35, 36, 39, 40 |
| 7.3 | 3, 5, 8, 10, 15, 18, 19, 21, 25, 30, 31, 38, 39, 41, 45, 47, 48, 49 50, 51, 53, 56, 59, 63, 67, 70, 83 |
| 7.4 | 4, 6, 9, 11, 13, 19, 21, 25, 26, 28, 29, 31, 32, 33, 38, 40, 45, 46, 49, 52, 53, 59, 60 |
| 7.5 | 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12 |
| 7.6 | 1, 2, 5, 7, 9, 10, 12 |
| Ch. 7 Review | 34, 35, 36, 37, 39, 40 |
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| 8.1 | 1, 2, 6, 7, 13, 25 |
| 8.2 | 1, 2, 3, 4, 5, 6, 9, 13, 23, 25, 33, 34, 35, 39, 41, 42, 44, 45 |
| <i>Final Examination (40%)</i> | |