Week	Date	Topic
		Updated on 5/3/2024
1	18/3/2024 - 22/3/2024	**1. FUNCTIONS, LIMITS AND CONTINUITY** 1.1 Functions 1.2 Operations on functions 1.3 Graph of functions Tutorial/Lab
2	25/3/2024 - 29/3/2024	1.4 Limits (An Intuitive Introduction and Computational Approach) Tutorial/Lab
	28/3/2024 (Thursday)	**Nuzul Quran**
3	1/4/2024 - 5/4/2024	1.5 Continuity 1.6 Limits and Continuity of Trigonometric Functions Tutorial/Lab
	8/4/2024 - 12/4/2024	**Mid-Semester Break / Special Break**
	10/4/2024 - 11/4/2024	**Raya Puasa**
4	15/4/2024 - 19/4/2024	**2. DIFFERENTIATION** 2.1 An Introduction to the Derivative: Tangent 2.2 Definition of Derivative 2.3 Techniques of Differentiation Tutorial/Lab
5	22/4/2024 - 26/4/2024	2.4 Derivatives of Trigonometric, Exponential and Logarithmic Functions 2.5 The Chain Rule
6	29/4/2024 - 3/5/2024	2.6 Implicit Differentiation 2.7 Linear Approximations and Differentials **3. APPLICATIONS OF DIFFERENTIATION** 3.1 Related Rates Tutorial/Lab
		Assessment 1

Week	Date	Topic
	1/5/2024 (Wednesday)	**Hari Pekerja**
7	6/5/2024 - 10/5/2024	3.2 Intervals of increasing and decreasing functions 3.3 Concavity and inflection points 3.4 Relative maxima and minima 3.5 Critical numbers 3.6 First and Second Derivative Tests Tutorial/Lab
8	13/5/2024 - 17/5/2024	3.7 Graphs of Polynomial Functions 3.8 Graphs of Rational Functions 3.9 Asymptotes 3.10 Maximum and Minimum Values of a Function 3.11 Applied Maximum and Minimum Problems Tutorial/Lab
	17/5/2024 (Friday)	**Hari Keputeraan DYMM Tuanku Raja Perlis**
9	20/5/2024 - 24/4/2024	3.12 Rolle's Theorem; Mean-Value Theorem **4. INTEGRATION** 4.1 Anti-derivatives 4.2 The Indefinite Integral Tutorial/Lab
		Assessment 2
	22/5/2024 (Wednesday)	**Hari Wesak**
	27/5/2024 - 31/5/2024	**Special Break**
		Pesta Menuai: 30 – 31 May 2024 ; Gawai: 1 – 2 June 2024
10	3/6/2024 - 7/6/2024	4.3 Integration by Substitution 4.4 Sigma notation; Area as a Limit 4.5 The Definite Integral Tutorial/Lab
	8/6/2024 (Saturday)	**Hari Keputeraan Seri Paduka Baginda Yang Di-Pertuan Agong**

Week	Date	Topic
11	10/6/2024 - 14/6/2024	4.6 Properties of Definite Integrals 4.7 Fundamental Theorems of Calculus Tutorial/Lab
		Assessment 3
12	17/6/2024 - 21/6/2024	4.8 Evaluating Definite Integrals by Substitution **5. APPLICATIONS OF INTEGRATION** 5.1 Area Between Two Curves Tutorial/Lab
		Assessment 3
	17-18/6/2024 (Mon-Tue)	**Raya Haji**
13	24/6/2024 - 28/6/2024	5.2 Volumes by Disks Method 5.3 Volumes by Washer Method Tutorial/Lab
14	1/7/2024 - 5/7/2024	5.4 Volumes by Cylindrical Shell Method Tutorial/Lab
	7/7/2024 (Sun)	**Maal-Hijrah**
	8/7/2024 - 14/7/2024	**Revision Week**
	15/7/2024 - 4/8/2024	**Final Examination**
	5/8/2024 - 6/10/2024	**Semester Break**

Ref: https://hea.uitm.edu.my/v4/index.php/calendars/academic-calendar
https://www.perlis.gov.my/index.php/suk-perlis/info-umum/hari-kelepasan-am-negeri-perlis

Assessment:

Final Assessment : 50%

Continuous assessment : 50%

1. Test : 30%
2. Lab Assignment (Group) : 10%
3. Video Presentation (Group) : 10%

Week	Date	Topic

Recommended Text:

1. Stewart, J., Clegg, D. (2020). Calculus: Early Transcendentals. Singapore: Cengage Learning. [ISBN: 9780357113516]

References

1. Anton, H., Bivens, I. C., Davis, S. (2005). Calculus: Early Transcendentals Single Variable. United States: Wiley. [ISBN: 9781119244912]
2. Shamsatun Nahar Ahmad, Farah Suraya Md Nasrudin, Muhammad Yassar Yusri 2020, Fundamentals Of Calculus, 1 Ed., UiTM Cawangan Johor [ISBN: 9789673636044]
3. Hass, J. R., Heil, C. E., & Weir, M. D. (2019). Thomas' Calculus: Early Transcendentals in SI Units (14th edition). Pearson. [ISBN: 9781292253114]
4. Larson, R., & Edwards, B. H. (2019). Calculus: Early transcendental functions. Cengage. [ISBN: 9781337782432]
5. Adams, R., & Essex, C. (2009). Calculus: A Complete Course, Seventh Edition (7th edition). Pearson Education Canada. [ISBN: 9780321549280].
6. Varberg, D., deceased, E. P., & Rigdon, S. (2013). Calculus: Pearson New International Edition (9th edition). Pearson. [ISBN: 9781292039671]