



Dubai International Private School (AI-Quoz)

DIPS, in partnership with parents and community, strives to ensure all students are digitally literate, lifelong learners, productive citizens and nurture their well-being in an inclusive learning environment.



"Empowering Minds, Inspiring Hearts, Shaping the Future"

"تمكين العقول، إلهام القلوب، تشكيل المستقبل"

Semester: 2

2025 – 2026

Grade Level	12		Subject: CALCULUS	
Teacher(s) Name	Farhat Falou & Ebrahim Haj Hussein			
Textbook	Thomas Calculus : Early Transcendentals 5th edition in SI Units			
Week #	Dates		Lesson Title / Pages	CCSS / NGSS Code / MOE
17	Jan 5 th	Jan 9 th	Lesson 3.8: Derivatives of Inverse Functions and Logarithms. Lesson 3.7: implicit Differentiation.	C-I.1, C-I.2
18	Jan 12 th	Jan 16 th Jan 12 th (2nd Parents Meeting K-12, non-teaching day from K-12)	Lesson 3.7: implicit Differentiation.	C-I.1, C-I.2
19	Jan 19 th	Jan 23 rd	Lesson 4.1: Extreme Values of Functions on Closed Intervals.	C-H.7
20	Jan 26 th	Jan 30 th	Lesson 4.1: Extreme Values of Functions on Closed Intervals.	C-H.7
21	Feb 2 nd	Feb 6 th	Lesson 4.3: Monotonic Functions and the First Derivative Test.	C.AD.3, C.AD.4
22	Feb 9 th	Feb 13 th	Lesson 4.4: Concavity and Curve Sketching.	C.AD.5, C.AD.6, C.AD.7
23	Feb 16 th	Feb 20 th	Lesson 4.4: Concavity and Curve Sketching.	C.AD.5, C.AD.6, C.AD.7
24	Feb 23 rd	Feb 27 th	Lesson 4.6: Applied Optimization.	C.AD.9
25	Mar 2 nd	Mar 6 th	Lesson 4.8: Antiderivatives.	C.I.5
26	Mar 9 th	Mar 13 th	Lesson 4.8: Antiderivatives.	C.I.5

27	Mar 16 th	Mar 20 th	Lesson 5.4: The Fundamental Theorem of Calculus.	C.I.4
28	Apr 6 th	Apr 10 th	Lesson 5.5: Indefinite Integrals and The Substitution Method.	C.I.5, C.I.7
29	Apr 13 th	Apr 17 th Apr 13 th (3 rd Parents Meeting K-12, non-teaching day from K-12)	Lesson 5.5: Indefinite Integrals and The Substitution Method.	C.I.5, C.I.7
30	Apr 20 th	Apr 24 th	Lesson 5.6: Definite Integral Substitution and The Area Between Curves.	C.I.6, C.AD.4
31	Apr 27 th	May 1 st	Lesson 8.2: Integration by Parts.	C.I.1-8
32	May 4 th	May 8 th	Lesson 8.5: Integration of Rational Functions by Partial Fractions.	C.I.1-8
33	May 11 th	May 15 th May 13 - May 21: Final Exams for grade 12 students.	G12 Finals	
34	May 18 th	May 22 nd May 13 - May 21: Final Exams for grade 12 students.	G12 Finals	
35	May 25 th	May 29 th		
36	Jun 1 st	Jun 5 th		
37	Jun 8 th	Jun 12 th	Jun 8 - Jun 15: Final Exams for Grades 4-11	
38	Jun 15 th	Jun 19 th	Jun 8 - Jun 15: Final Exams for Grades 4-11 Jun 17: Make-up Exam for absent students	