



TUNKU ABDUL RAHMAN UNIVERSITY COLLEGE
COURSE FILE DOCUMENTS

Form B
Effective Oct 2019

FORM B: COURSE PLAN (To be uploaded in Google Classroom for students)

Faculty/Centre:	FOCS	Course Coordinator:	Heng Jooi Huang
Campus:	KL	Other Tutors and Lecturers:	Nil
Course Code & Course Title:	BACS1053 Database Management	Moderator(s):	
Programme(s):	RSF1, RDS1, RST1	Examiner(s):	same as course coordinator
Credit Hours:	3	Contact hrs/sem:	L 28 T 14 P 14 O/B 0
Session:	202005	Course Weighting:	CW 50 % PR 0 % EX 50 %
Academic Year:	2020/2021	Passing Threshold	CW 50 % PR X % EX 40 %

Week		Topics	Reference Materials (Books/Titles, Journals, Web articles, etc)	Remarks
1	Lecture	Chapter 1: Applications of database	<ul style="list-style-type: none"> Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall. Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning. 	
	Tutorial	Tutorial 1& 2		
	Practical	Lab 1: Getting familiar with SQL Plus		
2	Lecture	Chapter 2: Database Concepts	<ul style="list-style-type: none"> Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall. Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning. 	
	Tutorial	Tutorial 1& 2		
	Practical	Lab 1: Getting familiar with SQL Plus		



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3	Lecture	Chapter 3: Structured Query Language	<ul style="list-style-type: none">• Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall.• Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning.	
	Tutorial	Tutorial 3		
	Practical	Lab 2: Formatting Output		
4	Lecture	Chapter 3: Structured Query Language	<ul style="list-style-type: none">• Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall.• Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning.	
	Tutorial	Tutorial 3		
	Practical	Lab 2: Formatting Output		
5	Lecture	Chapter 3: Structured Query Language	<ul style="list-style-type: none">• Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall.• Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning.	
	Tutorial	Tutorial 3		
	Practical	Lab 3: Using MS Access as a tool for creating ERD		



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6	Lecture	Chapter 4: Data Models	<ul style="list-style-type: none">• Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall.• Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning.	
	Tutorial	Tutorial 4		
	Practical	Lab 3: Using MS Access as a tool for creating ERD		
7	Lecture	Chapter 4: Data Models	<ul style="list-style-type: none">• Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall.• Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning.	
	Tutorial	Tutorial 4		
	Practical	Lab 4: User Interaction in SQL Plus		
8	Lecture	Chapter 5: Normalization	<ul style="list-style-type: none">• Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall.• Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning.	
	Tutorial	Tutorial 5		
	Practical	Lab 5: Altering Table structure		



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9	Lecture	Chapter 5: Normalization	<ul style="list-style-type: none">• Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall.• Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning.	*Mid-term Test
	Tutorial	Tutorial 5		
	Practical	Lab 6: Aggregate Functions		
10	Lecture	Chapter 5: Normalization	<ul style="list-style-type: none">• Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall.• Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning.	
	Tutorial	Tutorial 5		
	Practical	Lab 7: Views		*Assignment Submission



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Week		Topics	Reference Materials (Books/Titles, Journals, Web articles, etc)	Remarks
11	Lecture	Chapter 6: Advanced Structured Query Language	<ul style="list-style-type: none">• Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall.• Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning.	
	Tutorial	Tutorial 6		
	Practical	Present Assignment		
12	Lecture	Chapter 6: Advanced Structured Query Language	<ul style="list-style-type: none">• Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall.• Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning.	
	Tutorial	Tutorial 6		
	Practical	Present Assignment		
13	Lecture	Chapter 7: Database Administration and Security	<ul style="list-style-type: none">• Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall.• Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning.	
	Tutorial	Tutorial 7		
	Practical	Present Assignment		
14	Lecture	Chapter 7: Database Administration and Security	<ul style="list-style-type: none">• Hoffer, J.A., and Ramesh V. 2016. Modern Database Management. 12th edn. Prentice Hall.• Coronel, C. and Morris, S. 2019. Database Systems: Design, Implementation, and Management. 13th edn. Cengage Learning.	



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Week		Topics	Reference Materials (Books/Titles, Journals, Web articles, etc)	Remarks
	Tutorial	Tutorial 7		
	Practical	Feedback on Assignment		

** Any changes made in the course plan must be recorded. For replacement of classes, please refer to the Replacement record kept in Central filing.*



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Continuous Assessment Type	Weighting	Week of Submission
CW:Mid-Term Test	40	10
CW:Assignment	60	10

Prepared by Course Coordinator:

(Signature)

Date: 09/06/2020

Notes:

1. Upon the approval by the Course Leader/ Programme Leader/ Associate Dean,/Head of Division Form B must be uploaded onto respective online classroom and distributed to
2. Lecturers are advised to take into account the public holidays when planning the course plan.
3. Lecturers are advised to take into account the previous recommendation stated in Form J

Approved by Course Leader/Programme Leader/Associate Dean / Head of
Division:

(Signature)

Name: See Kwee Teck

Date: 09/06/2020