

TIME TABLE FOR MSc (MEDICAL STATISTICS), SEMESTER 1, 2022/2023

Biostatistics & Research Methodology Unit, School of Medical Sciences, USM

Week 1	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	16/10/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study
Mon	17/10/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study
Tue	18/10/2022	Preparation Time	Introduction & Practical Application of Epidemiology (L) [NMY]	Preparation Time	Preparation Time		Natural history of diseases & levels of prevention (L) [NMY]	Preparation Time	Natural history of diseases & levels of prevention (L) [NMY]
Wed	19/10/2022	Preparation Time	Introduction to Biostatistics (L) [SAAH]	Self Study	Preparation Time		Descriptive Statistics (L) [SAAH]	Descriptive Statistics (T) [SAAH]	Self Study
Thu	20/10/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study

Week 2	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	23/10/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study
Mon	24/10/2022	Deepavali					Deepavali		
Tue	25/10/2022	Preparation Time	Introduction to SPSS (L) [SAAH]	Introduction to SPSS (T) [SAAH]	Self Study		Self Study	Self Study	Preparation Time
Wed	26/10/2022	Preparation Time	Models of disease causation (L) [NMY]	Preparation Time	Models of disease causation (L) [NMY]		Self Study	Self Study	Preparation Time
Thu	27/10/2022	Preparation Time	Probability Theory (L) [AKG]	Preparation Time	Probability Theory (L) [AKG]		Self Study	Self Study	Self Study

TIME TABLE FOR MSc (MEDICAL STATISTICS), SEMESTER 1, 2022/2023

Biostatistics & Research Methodology Unit, School of Medical Sciences, USM

Week 3	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	30/10/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Preparation Time
Mon	31/10/2022	Preparation Time	Normal , Binomial and Poisson Distribution (L) [AKG]	Preparation Time	Normal , Binomial and Poisson Distribution (L) [AKG]		Self Study	Self Study	Preparation Time
Tue	01/11/2022	Preparation Time	Measurements of disease occurrence (L) [NMY]	Preparation Time	Measurements of disease occurrence (L) [NMY]		Measurements of disease occurrence (T) [NMY]	Measurements of disease occurrence (T) [NMY]	Self Study
Wed	02/11/2022	Preparation Time	Sampling Distributions (L) [AKG]	Preparation Time	Sampling Distributions (L) [AKG]		Self Study	Self Study	Preparation Time
Thu	03/11/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study

Week 4	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	06/11/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study
Mon	07/11/2022	Preparation Time	Hypothesis testing (L) [KYC]	Preparation Time	Hypothesis testing (L) [KYC]		Estimation (L) [KYC]	Preparation Time	Estimation (L) [KYC]
Tue	08/11/2022	Preparation Time	Independent t-test (L) [NMY]	Independent t-test (T) [NMY]	Preparation Time		Paired t-test (L) [NMY]	Paired t-test (T) [NMY]	Preparation Time
Wed	09/11/2022	Preparation Time	One Way ANOVA test (L) [NMY]	One Way ANOVA test (T) [NMY]	Preparation Time		Self Study	Self Study	Preparation Time
Thu	10/11/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study

TIME TABLE FOR MSc (MEDICAL STATISTICS), SEMESTER 1,2022/2023

Biostatistics & Research Methodology Unit, School of Medical Sciences, USM

Week 5	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM	
Sun	13/11/2022	Hari Keputeraan Sultan Kelantan					Hari Keputeraan Sultan Kelantan			
Mon	14/11/2022	Preparation Time	Non parametric tests (L) [KYC]	Non parametric tests (T) [KYC]	Self Study		Self Study	Preparation Time	Preparation Time	
Tue	15/11/2022	Preparation Time	Standardization of rates (L) [SAAH]	Standardization of rates (T) [SAAH]	Preparation Time		Self Study	Self Study	Preparation Time	
Wed	16/11/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Preparation Time	
Thu	17/11/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Preparation Time	

Week 6	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	20/11/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Preparation Time
Mon	21/11/2022	Preparation Time	Correlation (L) [NMY]	Correlation (T) [NMY]	Preparation Time		Simple linear regression (L) [NMY]	Simple linear regression (T) [NMY]	Self Study
Tue	22/11/2022	Preparation Time	Pearson's Chi square & Fischer's Exact tests (L) [SAAH]	Pearson's Chi square & Fischer's Exact tests (T) [SAAH]	Preparation Time		Mc Nemar test (L) [SAAH]	Mc Nemar test (T) [SAAH]	Preparation Time
Wed	23/11/2022	Preparation Time	Mantel Haenzel test (L) [SAAH]	Mantel Haenzel test (T) [SAAH]	Preparation Time		Self Study	Self Study	Self Study
Thu	24/11/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Preparation Time

TIME TABLE FOR MSc (MEDICAL STATISTICS), SEMESTER 1, 2022/2023

Biostatistics & Research Methodology Unit, School of Medical Sciences, USM

Week 7	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	27/11/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Preparation Time
Mon	28/11/2022	Epidemiological study design: Descriptive (L) [NSB]	Epidemiological study design: Descriptive (T) [NSB]	Self Study	Self Study		Self Study	Self Study	Preparation Time
Tue	29/11/2022	Epidemiological study design: Observational (L) [NSB]	Preparation Time	Epidemiological study design: Observational (L) [NSB]	Preparation Time		Epidemiological study design: Observational (T) [NSB]	Epidemiological study design: Observational (T) [NSB]	Preparation Time
Wed	30/11/2022	Preparation Time	Sample size determination (L) [SA]	Preparation Time	Sample size determination (L) [SA]		Sample size determination (T) [SA]	Preparation Time	Sample size determination (T) [SA]
Thu	01/12/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study

Week 8	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	04/12/2022	Mid semester break (04/12/2022 – 08/12/2022)					Mid semester break (04/12/2022 – 08/12/2022)		
Mon	05/12/2022								
Tue	06/12/2022								
Wed	07/12/2022								
Thu	08/12/2022								

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Week 9	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	11/12/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Preparation Time
Mon	12/12/2022	Concept & application of multivariate modeling (L) [NSB]	Concept & application of multivariate modeling (T) [NSB]	Self Study	Preparation Time		Confounding & interaction (L) [NSB]	Confounding & interaction (T) [NSB]	Preparation Time
Tue	13/12/2022	Epidemiological study design: Experimental (Clinical & Community Trials) (L) [NSB]	Preparation Time	Epidemiological study design: Experimental (Clinical & Community Trials) (L) [NSB]	Epidemiological study design: Experimental (Clinical & Community Trials) (T) [NSB]		Self Study	Self Study	Preparation Time
Wed	14/12/2022	Preparation Time	Simple logistic regression (L) [NMY]	Simple logistic regression (T) [NMY]	Self Study		Self Study	Self Study	Preparation Time
Thu	15/12/2022	Preparation Time	Multiple logistic regression (L) [NMY]	Preparation Time	Multiple logistic regression (L) [NMY]		Multiple logistic regression (T) [NMY]	Multiple logistic regression (T) [NMY]	Self Study

Week 10	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	18/12/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Preparation Time
Mon	19/12/2022	Preparation Time	Multiple linear regression (L) [SA]	Preparation Time	Multiple linear regression (L) [SA]		Multiple linear regression (T) [SA]	Multiple linear regression (T) [SA]	Self Study
Tue	20/12/2022	Preparation Time	Measurements of risk and association (L) [SA]	Preparation Time	Measurements of risk and association (L) [SA]		Self Study	Self Study	Self Study
Wed	21/12/2022	Preparation Time	Bias & errors (L) [SA]	Preparation Time	Bias & errors (L) [SA]		Self Study	Self Study	Self Study
Thu	22/12/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study

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Week 11	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM	
Sun	25/12/2022	Christmas					Christmas			
Mon	26/12/2022	Preparation Time	Self Study	Self Study	Self Study		Self Study	Self Study	Preparation Time	
Tue	27/12/2022	Preparation Time	Systematic Review (L) [KYC]	Preparation Time	Systematic Review (L) [KYC]		Self Study	Self Study	Preparation Time	
Wed	28/12/2022	Preparation Time	Sampling methods (L) [NMY]	Sampling methods (T) [NMY]	Preparation Time		Self Study	Preparation Time	Preparation Time	
Thu	29/12/2022	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study	

Week 12	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	01/01/2023	Self Study	Self Study	Self Study	Self Study		Self Study	Preparation Time	Preparation Time
Mon	02/01/2023	Preparation Time	Meta-analysis (L) [KYC]	Preparation Time	Meta-analysis (L) [KYC]		Self Study	Preparation Time	Preparation Time
Tue	03/01/2023	Self Study	Multifactorial ANOVA (L) [AKG]	Preparation Time	Multifactorial ANOVA (L) [AKG]		Multifactorial ANOVA (T) [AKG]	Multifactorial ANOVA (T) [AKG]	Self Study
Wed	04/01/2023	Preparation Time	Analysis of covariance (ANCOVA) (L) [AKG]	Preparation Time	Analysis of covariance (ANCOVA) (L) [AKG]		Analysis of covariance (ANCOVA) (T) [AKG]	Analysis of covariance (ANCOVA) (T) [AKG]	Self Study
Thu	05/01/2023	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study

TIME TABLE FOR MSc (MEDICAL STATISTICS), SEMESTER 1, 2022/2023

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Week 13	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	08/01/2023	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study
Mon	09/01/2023	Self Study	Introduction to survival analysis (L) [SAAH]	Self Study	Self Study		Self Study	Self Study	Preparation Time
Tue	10/01/2023	Preparation Time	Kaplan Meier Survival Curve, Logrank test (L) [SAAH]	Preparation Time	Kaplan Meier Survival Curve, Logrank test (L) [SAAH]		Kaplan Meier Survival Curve, Logrank test (T) [SAAH]	Kaplan Meier Survival Curve, Logrank test (T) [SAAH]	Self Study
Wed	11/01/2023	Preparation Time	Lifetable analysis (L) [SAAH]	Preparation Time	Lifetable analysis (L) [SAAH]		Lifetable analysis (T) [SAAH]	Lifetable analysis (T) [SAAH]	Preparation Time
Thu	12/01/2023	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study

Week 14	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	15/01/2023	Self Study	Self Study	Self Study	Self Study		Self Study	Preparation Time	Preparation Time
Mon	16/01/2023	Preparation Time	Cox Proportional Hazards Regression (L) [SAAH]	Preparation Time	Cox Proportional Hazards Regression (L) [SAAH]		Cox Proportional Hazards Regression (T) [SAAH]	Cox Proportional Hazards Regression (T) [SAAH]	Self Study
Tue	17/01/2023	Repeated measures ANOVA (L) [NSB]	Preparation Time	Repeated measures ANOVA (L) [NSB]	Preparation Time		Repeated measures ANOVA (T) [NSB]	Repeated measures ANOVA (T) [NSB]	Preparation Time
Wed	18/01/2023	Repeated measures ANCOVA (L) [NSB]	Preparation Time	Repeated measures ANCOVA (L) [NSB]	Preparation Time		Repeated measures ANCOVA (T) [NSB]	Repeated measures ANCOVA (T) [NSB]	Self Study
Thu	19/01/2023	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study

TIME TABLE FOR MSc (MEDICAL STATISTICS), SEMESTER 1, 2022/2023

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Week 15	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	22/01/2023	Exploratory Factor Analysis (L) [KYC]	Preparation Time	Exploratory Factor Analysis (T) [KYC]	Exploratory Factor Analysis (T) [KYC]		Self Study	Preparation Time	Preparation Time
Mon	23/01/2023	Confirmatory Factor Analysis (L) [KYC]	Preparation Time	Confirmatory Factor Analysis (T) [KYC]	Confirmatory Factor Analysis (T) [KYC]		Self Study	Self Study	Preparation Time
Tue	24/01/2023	Preparation Time	Introduction to Structural Equation Modelling (L) [KYC]	Introduction to Structural Equation Modelling (T) [KYC]	Self Study		Self Study	Self Study	Preparation Time
Wed	25/01/2023	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Preparation Time
Thu	26/01/2023	Self Study	Self Study	Self Study	Self Study		Self Study	Self Study	Self Study

Week 16	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	29/01/2023	Revision Week (29/01/2023 - 02/02/2023)					Revision Week (29/01/2023 - 02/02/2023)		
Mon	30/01/2023								
Tue	31/01/2023								
Wed	01/02/2023								
Thu	02/02/2023								

TIME TABLE FOR MSc (MEDICAL STATISTICS), SEMESTER 1, 2022/2023

Biostatistics & Research Methodology Unit, School of Medical Sciences, USM

Week 17	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	05/02/2023	Examination weeks (05/02/2023 – 24/02/2023)					Examination weeks (05/02/2023 – 24/02/2023)		
Mon	06/02/2023								
Tue	07/02/2023								
Wed	08/02/2023								
Thu	09/02/2023								

Week 18	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	12/02/2023	Examination weeks (05/02/2023 – 24/02/2023)					Examination weeks (05/02/2023 – 24/02/2023)		
Mon	13/02/2023								
Tue	14/02/2023								
Wed	15/02/2023								
Thu	16/02/2023								

TIME TABLE FOR MSc (MEDICAL STATISTICS), SEMESTER 1, 2022/2023

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Week 19	Date	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Sun	19/02/2023	Examination weeks (05/02/2023 – 24/02/2023)					Examination weeks (05/02/2023 – 24/02/2023)		
Mon	20/02/2023								
Tue	21/02/2023								
Wed	22/02/2023								
Thu	23/02/2023								

Week 20 – 23	08:30AM	09:30AM	10:30AM	11:30AM	12:30PM	02:00PM	03:00PM	04:00PM
Week 20 – 23 – Mid-Semester Break (26/02/2023 – 25/03/2023)						Week 20 – 23 – Mid-Semester Break (26/02/2023 – 25/03/2023)		

MSc (MEDICAL STATISTICS) YEAR 1, SEMESTER 1, 2022/2023						
No.	Basic Statistics (GBT 501/4)	Lecturer	Date	Contact Hours		
				Lecture (L)	Tutorial (T)	Total
1	Introduction to Biostatistics	SAAH	19/10/2022	1	-	1
2	Descriptive Statistics	SAAH	19/10/2022	1	1	2
3	Introduction to SPSS	SAAH	25/10/2022	1	1	2
4	Probability Theory	AKG	27/10/2022	2	-	2
5	Normal , Binomial and Poisson Distribution	AKG	31/10/2022	2	-	2
6	Sampling Distributions	AKG	02/11/2022	2	-	2
7	Hypothesis testing	KYC	07/11/2022	2	-	2
8	Estimation	KYC	07/11/2022	2	-	2
9	Independent t test	NMY	08/11/2022	1	1	2
10	Paired t test	NMY	08/11/2022	1	1	2
11	One Way ANOVA test	NMY	09/11/2022	1	1	2
12	Non parametric tests	KYC	14/11/2022	1	1	2
13	Simple logistic regression	NMY	14/12/2022	1	1	2
14	Correlation	NMY	21/11/2022	1	1	2
15	Simple linear regression	NMY	21/11/2022	1	1	2
16	Pearson's Chi square & Fischer's Exact tests	SAAH	22/11/2022	1	1	2
17	Mc Nemar test	SAAH	22/11/2022	1	1	2
18	Mantel Haenzel test	SAAH	23/11/2022	1	1	2
19	Sample size determination	SA	30/11/2022	2	2	4
				25	14	39

Lecturers involved

Dr. Siti Azrin Ab. Hamid
 Assoc. Prof. Dr. Najib Majdi Yaacob
 Assoc. Prof. Dr. Sarimah Abdullah

SAAH
 NMY
 SA

Dr. Kueh Yee Cheng
 Dr. Anis Kausar Ghazali


KYC
 AKG

Prepared by,

Cheng

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Certified by,



 (Assoc. Prof. Dr. Najib Majdi Yaacob)
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MSc (MEDICAL STATISTICS) YEAR 1, SEMESTER 1, 2022/2023						
No.	Intermediate Statistics (GBT 502/4)	Lecturer	Date	Contact Hours		
				Lecture (L)	Tutorial (T)	Total
1	Concept and application of multivariate modeling	NSB	12/12/2022	1	1	2
2	Confounding & interaction	NSB	12/12/2022	1	1	2
	Multiple logistic regression	NMY	15/12/2022	2	2	4
3	Multiple linear regression	SA	19/12/2022	2	2	4
4	Multifactorial ANOVA	AKG	03/01/2023	2	2	4
	Analysis of covariance (ANCOVA)	AKG	04/01/2023	2	2	4
5	Introduction to survival analysis	SAAH	09/01/2023	1	-	1
6	Kaplan Meier Survival Curve, Logrank test	SAAH	10/01/2023	2	2	4
7	Lifetable analysis	SAAH	11/01/2023	2	2	4
8	Cox Proportional Hazards Regression	SAAH	16/01/2023	2	2	4
9	Repeated measures ANOVA	NSB	17/01/2023	2	2	4
10	Repeated measures ANCOVA	NSB	18/01/2023	2	2	4
11	Exploratory Factor Analysis	KYC	22/01/2023	1	2	3
12	Confirmatory Factor Analysis	KYC	23/01/2023	1	2	3
13	Introduction to Structural Equation Modelling	KYC	24/01/2023	1	1	2
				24	25	49

Lecturers involved

Prof. Dr. Norsa'adah Bachok
 Dr. Kueh Yee Cheng
 Assoc. Prof. Dr. Sarimah Abdullah

NSB
 KYC
 SA

Dr. Siti Azrin Ab Hamid
 Dr. Najib Majdi Yaacob
 Dr. Anis Kausar Ghazali


SAAH
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MSc (MEDICAL STATISTICS) YEAR 1, SEMESTER 1, 2022/2023						
No.	Principles of Epidemiology (GBT 503/2)	Lecturer	Date	Contact Hours		
				Lecture (L)	Tutorial (T)	Total
1	Introduction & Practical Application of Epidemiology	NMY	18/10/2022	1	-	1
2	Natural history of diseases & levels of prevention	NMY	18/10/2022	2	-	2
3	Models of disease causation	NMY	26/10/2022	2	-	2
4	Measurements of disease occurrence	NMY	01/11/2022	2	2	4
5	Standardization of rates	SAAH	15/11/2022	1	1	2
6	Epidemiological study design: Descriptive	NSB	28/11/2022	1	1	2
7	Epidemiological study design: Observational	NSB	29/11/2022	2	2	4
8	Epidemiological study design: Experimental (Clinical & Community Trials)	NSB	13/12/2022	2	1	3
9	Measurements of risk and association	SA	20/12/2022	2	-	2
10	Bias & errors	SA	21/12/2022	2	-	2
11	Systematic Review	KYC	27/12/2022	2	-	2
12	Sampling methods	NMY	28/12/2022	1	1	2
13	Meta-analysis	KYC	02/01/2023	2	-	2
				22	8	30

Lecturers involved

Prof. Dr. Norsa'adah Bachok
 Dr. Kueh Yee Cheng
 Assoc. Prof. Dr. Sarimah Abdullah

NSB
 KYC
 SA

Dr. Siti Azrin Ab Hamid
 Dr. Najib Majdi Yaacob
 Dr. Anis Kausar Ghazali


SAAH
 NMY
 AKG

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