

## Teaching Plan/Department of Physiology

[Old 1+1+1 System]

### Teaching Plan for Academic year 2014-2015

#### First Phase (July to October):

	1 <sup>ST</sup> HONS.	2 <sup>ND</sup> HONS	3 <sup>RD</sup> HONS	1 <sup>ST</sup> GEN	2 <sup>ND</sup> GEN	3 <sup>RD</sup> GEN
MD	Enzyme	Nervous system –I Nervous system –II	Immunology	Biochemistry- CHO	Nerve physiology	Haematology
	Practical- Biochemistry	Practical- Biochemistry Histology	Practical- Biochemistry (Colorimetry)	Practical - ALL	Practical - X	Practical - ALL
DS	Cell Biology- I	Renal physiology	Reproductive –I Reproductive –II	Biophysics	Sensory physiology	Work Physiology
	Practical - X	Practical- X	Practical- Work Physiology,	Practical - X	Practical - ALL	Practical - X
SB	Cardiovascular sys – I	Nervous system-III	Nutrition	Nutrition	Theory- X	Theory- X
	Practical- X	Exp. Physiology,	Practical – Perfusion,	Practical - X	Practical -X	Practical-X
SK	Biophysics	Protein +Nucleic acid metabolism	Microbiology- I Microbiology –II	Theory -X	Muscle physiology	Molecular Biology
	Practical -Hematology	Practical- X	Practical- Histology	Practical- X	Practical- X	Practical - X

#### Second Phase (Late October to December):

	1 <sup>ST</sup> HONS.	2 <sup>ND</sup> HONS	3 <sup>RD</sup> HONS	1 <sup>ST</sup> GEN	2 <sup>ND</sup> GEN	3 <sup>RD</sup> GEN
MD	Biochemistry- I CHO Biochemistry-II Lipid	Molecular Neurobiology	Endocrinology –I Endocrinology- II	Biochemistry- Protein	Nervous system –I	Social physiology
	Practical- Biochemistry	Practical- Biochemistry Histology	Biostatistics	Practical - ALL	Practical - X	Practical - ALL
DS	Digestive system Vitamins	Sensory Physiology Audition	Developmental Biology	Digestive system	Skin	Environment Phys
	Practical - X	Practical- X	Practical- Work Physiology,	Practical - X	Practical - ALL	Practical - X
SB	Cardiovascular sys- II Body fluids	Nervous system - IV	Social Physiology	Cardiovascular sys – I	Theory- X	Theory- X
	Practical- X	Histology	Diet survey	Practical - X	Practical -X	Practical-X
SK	Cell Biology-II	Molecular Biology	Pharmacology	Theory -X	Nervous system – II	Microbiology
	Practical -Hematology	Practical- X	Microbiology	Practical- X	Practical- X	Practical - X

### Third Phase (Jan to May):

	1 <sup>ST</sup> HONS.	2 <sup>ND</sup> HONS	3 <sup>RD</sup> HONS	1 <sup>ST</sup> GEN	2 <sup>ND</sup> GEN	3 <sup>RD</sup> GEN
MD	Nerve Physiology Blood	Biological Oxidation Carbohydrate metabolism Lipid metabolism	Biostatistics Chronobiology Human Environment-I	Biochemistry-Lipid Blood	Endocrinology-I	Biostatistics
	Practical- Biochemistry	Practical- Biochemistry Histology	Field Survey (Project)	Practical - ALL	Practical - X	Practical - ALL
DS	Muscle Physiology Respiration	Sensory Physiology Vision	Work physiology Sports physiology	Respiration Renal physiology	Reproductive –I & II	Environment Phys
	Practical - X	Practical- X	Dales Exp	Practical - X	Practical - ALL	Practical - X
SB	Body fluids	Nervous system - IV	Skin Human Environment- II	Cardiovascular sys - II	Theory- X	Theory- X
	Practical- X	Histology	Diet survey	Practical - X	Practical -X	Practical-X
SK	Biochemistry –II Protein & NA	Methodology Instrumentation	Endocrinology- III Endocrinology- IV	Theory -X	Endocrinology-II	Microbiology
	Practical - Hematology	Practical- X	Microbiology	Practical- X	Practical- X	Practical - X

MD-Full time faculty, DS-Part Time Teacher, SB & SK- Guest Faculty

## Teaching Plan for Academic year 2015-2016

### First Phase (July to October):

	1 <sup>ST</sup> HONS.	2 <sup>ND</sup> HONS	3 <sup>RD</sup> HONS	1 <sup>ST</sup> GEN	2 <sup>ND</sup> GEN	3 <sup>RD</sup> GEN
MD	Enzyme	Nervous system –I Nervous system –II	Immunology	Biochemistry- CHO	Nerve physiology	Haematology
	Practical- Biochemistry	Practical- Biochemistry Histology	Practical- Biochemistry (Colorimetry)	Practical - ALL	Practical - X	Practical - ALL
DS	Cell Biology- I	Renal physiology	Reproductive –I Reproductive –II	Biophysics	Sensory physiology	Work Physiology
	Practical - X	Practical- X	Practical- Work Physiology,	Practical - X	Practical - ALL	Practical - X
SB	Cardiovascular sys – I	Nervous system-III	Nutrition	Nutrition	Theory- X	Theory- X
	Practical- X	Exp. Physiology,	Practical – Perfusion,	Practical - X	Practical -X	Practical-X
DM	Biophysics	Protein +Nucleic acid metabolism	Microbiology- I Microbiology –II	Theory -X	Muscle physiology	Molecular Biology
	Practical -Hematology	Practical- X	Practical- Histology	Practical- X	Practical- X	Practical - X

### Second Phase (Late October to December):

	1 <sup>ST</sup> HONS.	2 <sup>ND</sup> HONS	3 <sup>RD</sup> HONS	1 <sup>ST</sup> GEN	2 <sup>ND</sup> GEN	3 <sup>RD</sup> GEN
MD	Biochemistry- I CHO Biochemistry-II Lipid	Molecular Neurobiology	Endocrinology –I Endocrinology- II	Biochemistry- Protein	Nervous system –I	Social physiology
	Practical- Biochemistry	Practical- Biochemistry Histology	Biostatistics	Practical - ALL	Practical - X	Practical - ALL
DS	Digestive system Vitamins	Sensory Physiology Audition	Developmental Biology	Digestive system	Skin	Environment Phys
	Practical - X	Practical- X	Practical- Work Physiology,	Practical - X	Practical - ALL	Practical - X
SB	Cardiovascular sys- II Body fluids	Nervous system - IV	Social Physiology	Cardiovascular sys – I	Theory- X	Theory- X
	Practical- X	Histology	Diet survey	Practical - X	Practical -X	Practical-X
DM	Cell Biology-II	Molecular Biology	Pharmacology	Theory -X	Nervous system – II	Microbiology
	Practical -Hematology	Practical- X	Microbiology	Practical- X	Practical- X	Practical - X

### Third Phase (Jan to May):

	1 <sup>ST</sup> HONS.	2 <sup>ND</sup> HONS	3 <sup>RD</sup> HONS	1 <sup>ST</sup> GEN	2 <sup>ND</sup> GEN	3 <sup>RD</sup> GEN
MD	Nerve Physiology Blood	Biological Oxidation Carbohydrt metabolism Lipid metabolism	Biostatistics Chronobiology Human Environment-I	Biochemistry-Lipid Blood	Endocrinology-I	Biostaistics
	Practical- Biochemistry	Practical- Biochemistry Histology	Field Survey (Project)	Practical - ALL	Practical - X	Practical - ALL
DS	Muscle Physiology Respiration	Sensory Physiology Vision	Work physiology Sports physiology	Respiration Renal physiology	Reproductive –I & II	Environment Phys II
	Practical - X	Practical- X	Dales Exp	Practical - X	Practical - ALL	Practical - X
SB	Body fluids	Nervous system - IV	Skin Human Environmnt- II	Cardiovascular sys - II	Theory- X	Theory- X
	Practical- X	Histology	Diet survey	Practical - X	Practical -X	Practical-X
DM	Biochemistry –II Protein & NA	Methodology Instrumentation	Endocrinology- III Endocrinology- IV	Theory -X	Endocrinology-II	Microbiology
	Practical - Hematology	Practical- X	Microbiology	Practical- X	Practical- X	Practical - X

## Teaching Plan for Academic year 2016-2017

### First Phase (July to October):

	Name of the Teacher	Module assigned			
		Theoretical paper		Practical paper	
1.	Madhumita Debnath. (Assistant Professor)	1 <sup>st</sup> year Hons	P-I / UNIT-01	1. Enzymes	1 <sup>st</sup> -Hons- Biochemistry 2 <sup>nd</sup> Hons-Histology & Biochemistry 3 <sup>rd</sup> - Hons- Biochemistry (Colorimetry) 1 <sup>st</sup> Gen- All
		2 <sup>nd</sup> yr Hons		2. Nervous system I, II	
		3 <sup>rd</sup> yr Hons		3. Immunology	
		1 <sup>st</sup> year Gen	P-I / UNIT-01	1. Biochemistry & metabolism	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	1. Nerve physiology	
		3 <sup>rd</sup> year Gen		1. Biostatistics	
2.	Dhruba Sautya. (Part time Teacher)	1 <sup>st</sup> year Hons	P-I / UNIT-01	1. Cell Biology-I	3 <sup>rd</sup> - Hons- Work Physiology 2nd Gen- All 3 <sup>rd</sup> Gen-All
		2 <sup>nd</sup> yr Hons		2. Renal Physiology	
		3 <sup>rd</sup> yr Hons		3. Reproductive Physiology I& II	
		1 <sup>st</sup> year Gen	P-I / UNIT-01	1. Biophysics	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	1. Sensory Physiology	
		3 <sup>rd</sup> year Gen	P- IV (A)	1. Work physiology	
3.	Dibyendu Maity (Guest Teacher)	1 <sup>st</sup> year Hons	P-I / UNIT-01	1. Biophysics	1 <sup>st</sup> -Hons- Haematology 3 <sup>rd</sup> - Hons- Histology 1 <sup>st</sup> Gen- All
		2 <sup>nd</sup> yr Hons	P-I / UNIT-02	1. Biochemistry-II	
		3 <sup>rd</sup> yr Hons		2. Microbiology I& II	
		1 <sup>st</sup> year Gen			
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	1. Muscle Physiology	
		3 <sup>rd</sup> year Gen	P- IV (A)	1. Molecular Biology	
4.	Subhobroto Bag. (S.A. Teacher)	1 <sup>st</sup> year Hons	P-I / UNIT-03	1. Vitamins and mimerals	2 <sup>nd</sup> Hons-Exp. Physiology 3 <sup>rd</sup> - Hons- Perfusion 2nd Gen- All
		2 <sup>nd</sup> yr Hons		2. Nervous system-3	
		3 <sup>rd</sup> yr Hons		3. Endocrinology	
		1 <sup>st</sup> year Gen	P-I / UNIT-02	1. Nutrition	
		2 <sup>nd</sup> year Gen		1.	
		3 <sup>rd</sup> year Gen		1.	

### Second Phase (Late October to December):

	Name of the Teacher	Module assigned			
		Theoretical paper		Practical paper	
1.	Madhumita Debnath. (Assistant Professor)	1 <sup>st</sup> year Hons	P-I / UNIT-02	1. Biochemistry- Lipid	1 <sup>st</sup> -Hons- Biochemistry 2 <sup>nd</sup> Hons-Histology & Titration Biochemistry 3 <sup>rd</sup> - Hons- Biostatistics 1 <sup>st</sup> Gen- All
		2 <sup>nd</sup> yr Hons		2. Molecular neurobiology	
		3 <sup>rd</sup> yr Hons		3. Endocrine I & II	
		1 <sup>st</sup> year Gen	P-I / UNIT-02	1. Blood & body fluids	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	2. Nervous system-I	
		3 <sup>rd</sup> year Gen		2.	
2.	Dhruba Sautya. (Part time Teacher)	1 <sup>st</sup> year Hons	P-I / UNIT-01	4. Digestive system,	3 <sup>rd</sup> - Hons- Work Physiology 2nd Gen- All 3 <sup>rd</sup> Gen-All
		2 <sup>nd</sup> yr Hons	P-I / UNIT-02	1. Sensory Physiology-Audition	
		3 <sup>rd</sup> yr Hons		2. Developmental Biology	
		1 <sup>st</sup> year Gen	P-I / UNIT-01	2. Digestive system	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	1. Skin/ Body Temp	
		3 <sup>rd</sup> year Gen	P- IV (A)	1. Environmental physiology	

3.	Dibyendu Maity (Guest Teacher)	1 <sup>st</sup> year Hons	P-I/ UNIT-01	2. Cell Biology-II	1 <sup>st</sup> -Hons- Haematology 3 <sup>rd</sup> - Hons- Microbiology 1 <sup>st</sup> Gen- All
		2 <sup>nd</sup> yr Hons	P-I/ UNIT-03	1. Molecular Biology	
		3 <sup>rd</sup> Yr Hons		2. Pharmacology	
		1 <sup>st</sup> year Gen	P-I/ UNIT-01		
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	2. Nervous system-II,part2	
		3 <sup>rd</sup> year Gen	P- IV (A)	1. Microbiology & Immunology	
4.	Subhobroto Bag. (S.A. Teacher)	1 <sup>st</sup> year Hons	P-I/ UNIT-03	4. Cardiovascular system II	2 <sup>nd</sup> Hons-Histology 3 <sup>rd</sup> - Hons- Diet Survry 2nd Gen- All
		2 <sup>nd</sup> yr Hons		5. Nervous system-IV	
		3 <sup>rd</sup> yr Hons		6. Social Physiology	
		1 <sup>st</sup> year Gen	P-I/ UNIT-02	2. Cardiovascular physiology-II	
		2 <sup>nd</sup> year Gen		2.	
		3 <sup>rd</sup> year Gen		2.	

### Third Phase (Jan to May):

	Name of the Teacher	Module assigned			
		Theoretical paper			Practical paper
	Madhumita Debnath. (Assistant Professor)	1 <sup>st</sup> year Hons	P-I/ UNIT-03	1. Nerve physiology, Blood	1 <sup>st</sup> -Hons- Biochemistry 2 <sup>nd</sup> Hons-Histology & Titration Biochemistry 3 <sup>rd</sup> - Hons- Field Survey (Project) 1 <sup>st</sup> Gen- All
		2 <sup>nd</sup> yr Hons		2. Metabolism and Bio-Oxidation	
		3 <sup>rd</sup> yr Hons		3. Biostatistics, Chronobiology	
		1 <sup>st</sup> yr gen	P-I/ UNIT-02	2. Blood , Biochemistry-lipid	
		2 <sup>nd</sup> yr Gen	P-II / UNIT-04	1. Endocrine system-I	
		3 <sup>rd</sup> year Gen	P- IV (A)	1. Biostatistics	
2.	Dhruba Sautya. (Part time Teacher)	1 <sup>st</sup> year Hons		5. Muscle Physiology, Respiration	3 <sup>rd</sup> - Hons- Dale's experiment 2nd Gen- All 3 <sup>rd</sup> Gen-All
		2 <sup>nd</sup> yr Hons		1. Vision	
		3 <sup>rd</sup> yr Hons		1. Work and sports physiology	
		1 <sup>st</sup> yr Gen		1. Respiration & Renal Physiology	
		2 <sup>nd</sup> yr Gen		2. Reproductive physiology-I & II	
		3 <sup>rd</sup> year Gen	P- IV (A)	1. Environmental physiology	
3.	Dibyendu Maity (Guest Teacher)	1 <sup>st</sup> year Hons	P-I/ UNIT-03	1. Biochemistry-II	1 <sup>st</sup> -Hons- Haematology 3 <sup>rd</sup> - Hons- Microbiology 1 <sup>st</sup> Gen- All
		2 <sup>nd</sup> yr hons		3. Methodology & Instrumentation	
		3 <sup>rd</sup> yr hons		4. Endocrinology III & IV	
		1 <sup>st</sup> year Gen		1.	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	3. Endocrinology-II	
		3 <sup>rd</sup> year Gen	P- IV (A)	2. Microbiology	
4.	Subhobroto Bag. (S.A. Teacher)	1 <sup>st</sup> year Hons	P-I/ UNIT-03	7. Body fluids and regional cir.	2 <sup>nd</sup> Hons-Histology 3 <sup>rd</sup> - Hons- Diet Survry 2nd Gen- All
		2 <sup>nd</sup> yr hons		8. Nervous system	
		3 <sup>rd</sup> yr hons		9. Social physiology	
		1 <sup>st</sup> year Gen	P-I/ UNIT-02	3. Cardiovascular physiology-I,part3	
		2 <sup>nd</sup> year Gen	P-II /UNIT- 04	3. Endocrine system-II,part3	
		3 <sup>rd</sup> year Gen	P- IV (A)	3. Social physiology,part3	

## Teaching Plan for Academic year 2017-2018

### First Phase (July to October):

	Name of the Teacher	Module assigned			
		Theoretical paper			Practical paper
1.	Madhumita Debnath. (Assistant Professor)	1 <sup>st</sup> year Hons	P-I / UNIT-01	1. Enzymes	1 <sup>st</sup> -Hons- Biochemistry 2 <sup>nd</sup> Hons-Histology & Biochemistry 3 <sup>rd</sup> - Hons- Biochemistry (Colorimetry) 1 <sup>st</sup> Gen- All
		2 <sup>nd</sup> Hons		2. Nervous system I, II	
		3 <sup>rd</sup> Hons		3. Immunology	
		1 <sup>st</sup> year Gen	P-I / UNIT-01	2. Biochemistry & metabolism	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	3. Nerve physiology	
		3 <sup>rd</sup> year Gen	P- IV (A)	3. Hematology	
2.	Dhruba Sautya. (Part time Teacher)	1 <sup>st</sup> year Hons	P-I / UNIT-01	1. Cell Biology-I	3 <sup>rd</sup> - Hons- Work Physiology 2nd Gen- All 3 <sup>rd</sup> Gen-All
		2 <sup>nd</sup> yr Hons		2. Renal Physiology	
		3 <sup>rd</sup> yr Hons		3. Reproductive Physiology I& II	
		1 <sup>st</sup> year Gen	P-I / UNIT-01	3. Units of human system	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	2. Muscle physiology	
		3 <sup>rd</sup> year Gen	P- IV (A)	2. Work physiology	
3.	(Guest Teacher 1)	1 <sup>st</sup> year Hons	P-I / UNIT-01	3. Cell biology-II	1 <sup>st</sup> -Hons- Haematology 3 <sup>rd</sup> - Hons- Histology 1 <sup>st</sup> Gen- All
		2 <sup>nd</sup> yr Hons	P-I / UNIT-02	3. Biochemistry-II	
		3 <sup>rd</sup> yr Hons		4. Microbiology I and II	
		1 <sup>st</sup> year Gen	P-I / UNIT-01	2. Biophysical & Biochemical princ	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	4. Nervous system-II	
		3 <sup>rd</sup> year Gen	P- IV (A)	3. Biochemistry & molecular biology	
4.	(Guest Teacher 2)	1 <sup>st</sup> year Hons	P-I / UNIT-03	10. Cardiovascular system	2 <sup>nd</sup> Hons-Histology 3 <sup>rd</sup> - Hons- Diet Survry 2nd Gen- All
		2 <sup>nd</sup> yr Hons		11. Nervous system 3	
		3 <sup>rd</sup> yr Hons		12. Sports Physiology	
		1 <sup>st</sup> year Gen	P-I / UNIT-02	4. Cardiovascular physiology-I	
		2 <sup>nd</sup> year Gen	P-II /UNIT- 04	4. Endocrine system-II	
		3 <sup>rd</sup> year Gen	P- IV (A)	4. Social physiology	

### Second Phase (Late October to December):

	Name of the Teacher	Module assigned			
		Theoretical paper			Practical paper
	Madhumita Debnath. (Assistant Professor)	1 <sup>st</sup> year Hons	P-I / UNIT-02	4. Biochemistry- I	1 <sup>st</sup> -Hons- Biochemistry 2 <sup>nd</sup> Hons-Histology & Titration Biochemistry 3 <sup>rd</sup> - Hons- Biostatistics 1 <sup>st</sup> Gen- All
		2 <sup>nd</sup> yr Hons		5. Metabolism	
		3 <sup>rd</sup> yr Hons		6. Immunology	
		1 <sup>st</sup> year Gen	P-I / UNIT-02	3. Blood & body fluids	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	4. Nervous system-I	
		3 <sup>rd</sup> year Gen	P- IV (A)	4. Biostatistics	
2.	Dhruba Sautya. (Part time Teacher)	1 <sup>st</sup> year Hons	P-I / UNIT-01	4. Digestive system	3 <sup>rd</sup> - Hons- Work Physiology 2nd Gen- All 3 <sup>rd</sup> Gen-All
		2 <sup>nd</sup> yr Hons	P-I / UNIT-02	3. Vitamins & minerals	
		3 <sup>rd</sup> yr Hons		4. Work Physiology	
		1 <sup>st</sup> year Gen	P-I / UNIT-01	4. Digestive system	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	2. Sensory physiology	
		3 <sup>rd</sup> year Gen	P- IV (A)	2. Environmental physiology	
3.	Dibyendu Maity (Guest Teacher)	1 <sup>st</sup> year Hons	P-I / UNIT-01	4. Biophysics	1 <sup>st</sup> -Hons- Haematology 3 <sup>rd</sup> - Hons- Microbiology 1 <sup>st</sup> Gen- All
		2 <sup>nd</sup> yr Hons	P-I / UNIT-03	5. Cardiovascular system-II	
		3 <sup>rd</sup> yr Hons		6. Pharmacology	
		1 <sup>st</sup> year Gen	P-I / UNIT-01	3. Biochemistry (Protein only)	

		2 <sup>nd</sup> year Gen	P-II / UNIT-03	5. Nervous system-II,part2	
			P-II /UNIT- 04	1. Skin & body temperature	
		3 <sup>rd</sup> year Gen	P- IV (A)	4. Microbiology & immunology	
4.	Neepa Bannerjee (Guest Teacher)	1 <sup>st</sup> year Hons 2 <sup>nd</sup> yr Hons 3 <sup>rd</sup> yr Hons	P-I / UNIT-03	13. Body fluids and regional cir 14. Nerve Physiology 15. Environmental Physiology	2 <sup>nd</sup> Hons-Experimental Physiology 3 <sup>rd</sup> - Work and Sports Physiology, Diet survey 2 <sup>nd</sup> gen-Exp Physiology
		1 <sup>st</sup> year Gen	P-I / UNIT-02	5. Cardiovascular physiology-I, part2	
		2 <sup>nd</sup> year Gen	P-II /UNIT- 04	5. Endocrine system-II,part2	
		3 <sup>rd</sup> year Gen	P- IV (A)	5. Social physiology,part2	

### Third Phase (Jan to May):

	Name of the Teacher	Module assigned			
		Theoretical paper			Practical paper
	Madhumita Debnath. (Assistant Professor)	1 <sup>st</sup> year Hons	P-I / UNIT-03	4. Blood	1 <sup>st</sup> -Hons- Biochemistry 2 <sup>nd</sup> Hons-Histology & Titration Biochemistry 3 <sup>rd</sup> - Hons- Field Survey (Project) 1 <sup>st</sup> Gen- All
		2 <sup>nd</sup> yr Hons		5. Molecular neurobiology	
		3 <sup>rd</sup> Yr Hons		6. Biostatistics	
		1 <sup>st</sup> yr Gen	P-I / UNIT-02	4. Blood & body fluids	
		2 <sup>nd</sup> yr gen	P-II / UNIT-04	2. Endocrine system-I	
		3 <sup>rd</sup> year Gen	P- IV (A)	2. Biostatistics	
2.	Dhruba Sautya. (Part time Teacher)	1 <sup>st</sup> year Hons		5. Respiration	3 <sup>rd</sup> - Hons- Dale's experiment 2nd Gen- All 3 <sup>rd</sup> Gen-All
		2 <sup>nd</sup> yr Hons		2. Special Sense	
		3 <sup>rd</sup> yr Hons	P-I / UNIT-02	2. Reproductive Physiology	
		1 <sup>st</sup> yr Gen	P-II /UNIT- 04	3. Reproductive physiology-I	
		2 <sup>nd</sup> yr Gen		4. Reproductive physiology-II	
	3 <sup>rd</sup> year Gen	P- IV (A)	2. Environmental physiology		
3.	Dibyendu Maity (Guest Teacher 1)	1 <sup>st</sup> year Hons	P-I / UNIT-03	1. Cell Biology II	1 <sup>st</sup> -Hons- Haematology 3 <sup>rd</sup> - Hons- Microbiology 1 <sup>st</sup> Gen- All
		2 <sup>nd</sup> yr Hons		7. Instrumentation	
		3d Hons		8. Environmental Physiology	
		1 <sup>st</sup> year Gen		4.	
			P-I / UNIT-02	1. Cardiovascular physiology-II	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	6. Nervous system-II,part3	
	3 <sup>rd</sup> year Gen	P- IV (A)	5. Immunology		
4.	Neepa Bannerjee (Guest Teacher 2)	1 <sup>st</sup> year Hons 2 <sup>nd</sup> yr Hons 3 <sup>rd</sup> yr Hons	P-I / UNIT-03	16. Body fluids and regional cir 17. Nervous system 4 18. Social Physiology	2 <sup>nd</sup> Hons-Histology 3 <sup>rd</sup> - Hons- Diet Survry 2nd Gen- All
		1 <sup>st</sup> year Gen	P-I / UNIT-02	6. Cardiovascular physiology-I,part3	
		2 <sup>nd</sup> year Gen	P-II /UNIT- 04	6. Endocrine system-II,part3	
		3 <sup>rd</sup> year Gen	P- IV (A)	6. Social physiology,part3	



## Teaching Plan for Academic year 2018-2019

(For 2<sup>nd</sup> yr and 3<sup>rd</sup> yr only in old 1+1+1 pattern)

### First Phase (July to October):

	Name of the Teacher	Module assigned			
		Theoretical paper			Practical paper
1.	Madhumita Debnath. (Assistant Professor)	2 <sup>nd</sup> yr Hons	P-I / UNIT-01	4. Nervous system I, II	2 <sup>nd</sup> Hons-Histology & Biochemistry 3 <sup>rd</sup> - Hons- Biochemistry (Colorimetry)
		3 <sup>rd</sup> yr Hons		5. Immunology	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	5. Nerve physiology	
		3 <sup>rd</sup> year Gen		5.	
2.	Dhruba Sautya. (Part time Teacher)	2 <sup>nd</sup> yr Hons	P-I / UNIT-01	6. Renal Physiology	3 <sup>rd</sup> - Hons- Work Physiology 2nd Gen- All
		3 <sup>rd</sup> yr Hons		7. Reproductive Physiology I& II	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	3. Sensory Physiology	
		3 <sup>rd</sup> year Gen	P- IV (A)	3. Work physiology	
3.	Dibyendu Maity (Guest Teacher)	2 <sup>nd</sup> yr Hons	P-I / UNIT-01	5. Biochemistry-II	2 <sup>nd</sup> yr Hons- Exp Phys 3 <sup>rd</sup> - Hons- Histology 2 <sup>nd</sup> yr Gen- All
		3 <sup>rd</sup> yr Hons	P-I / UNIT-02	6. Microbiology I& II	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	2.	
		3 <sup>rd</sup> year Gen	P- IV (A)	7. Molecular Biology	
4.	Neepa Bannerjee (Guest Teacher)	2 <sup>nd</sup> yr Hons	P-I / UNIT-03	19. Nervous System-III	2 <sup>nd</sup> Hons-Exp. Physiology 3 <sup>rd</sup> - Hons- Perfusion 3rd Gen- All
		3 <sup>rd</sup> yr Hons		20. Nutrition	
		2 <sup>nd</sup> year Gen		7. Nerve Physiology	
		3 <sup>rd</sup> year Gen		7.	
5.	Dr. Sutapa Das (Guest Teacher)	2 <sup>nd</sup> yr Hons		8. Nervous system I	3 <sup>rd</sup> yr Gen- All
		3 <sup>rd</sup> yr Hons		9. Endocrinology I	
		2 <sup>nd</sup> yr Gen		10. Endocrinology	
		3 <sup>rd</sup> yr Gen		11. All Theory	

### Second Phase (Late October to December):

	Name of the Teacher	Module assigned			
		Theoretical paper			Practical paper
	Madhumita Debnath. (Assistant Professor)	2 <sup>nd</sup> yr Hons	P-I / UNIT-02	7. Molecular neurobiology	2 <sup>nd</sup> Hons-Histology & Titration Biochemistry 3 <sup>rd</sup> - Hons- Biostatistics
		3 <sup>rd</sup> yr Hons		8. Endocrine I & II	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	6. Nervous system-I	
		3 <sup>rd</sup> year Gen		6.	
2.	Dhruba Sautya. (Part time Teacher)	2 <sup>nd</sup> yr Hons	P-I / UNIT-01	5. Sensory Physiology-Audition	3 <sup>rd</sup> - Hons- Work Physiology 2nd Gen- All 3 <sup>rd</sup> Gen-All
		3 <sup>rd</sup> yr Hons	P-I / UNIT-02	6. Developmental Biology	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	3. Skin/ Body Temp	
		3 <sup>rd</sup> year Gen	P- IV (A)	3. Environmental physiology	
3.	Dibyendu Maity (Guest Teacher)	2 <sup>nd</sup> yr Hons	P-I / UNIT-01	9. Molecular Biology	2 <sup>nd</sup> -Hons- Haematology 3 <sup>rd</sup> - Hons- Microbiology 2nd Gen- All
		3 <sup>rd</sup> Yr Hons	P-I / UNIT-03	10. Pharmacology	
		2 <sup>nd</sup> year Gen	P-II / UNIT-03	8. Nervous system-II,part2	
		3 <sup>rd</sup> year Gen	P- IV (A)	6. Microbiology & Immunology	
4.	Neepa Bannerjee Guest Teacher)	2 <sup>nd</sup> yr Hons	P-I / UNIT-03	21. Nervous system-IV	2 <sup>nd</sup> Hons-Histology 3 <sup>rd</sup> - Hons- Diet Survry
		3 <sup>rd</sup> yr Hons		22. Social Physiology	

		2 <sup>nd</sup> year Gen		8.	3 <sup>rd</sup> Gen- All
		3 <sup>rd</sup> year Gen		12.	
5	Dr. Sutapa Das(Guest Teacher)	2 <sup>nd</sup> yr Hons 3 <sup>rd</sup> yr Hons 2 <sup>nd</sup> yr Gen 3 <sup>rd</sup> Yr Gen		13. Nervous system 14. Endocrinology  1. all	3 <sup>rd</sup> Gen-all

### Third Phase (Jan to May):

	Name of the Teacher	Module assigned			
		Theoretical paper			Practical paper
	Madhumita Debnath. (Assistant Professor)	2 <sup>nd</sup> yr Hons	P-I / UNIT-03	7. Metabolism and Bio-Oxidation	2 <sup>nd</sup> Hons-Histology & Titration Biochemistry 3 <sup>rd</sup> - Hons- Field Survey (Project)
		3 <sup>rd</sup> yr Hons		8. Biostatistics, Chronobiology	
		2 <sup>nd</sup> yr Gen	P-II / UNIT-04	3. Endocrine system-I	
		3 <sup>rd</sup> year Gen	P- IV (A)	3. Biostatistics	
2.	Dhruba Sautya. (Part time Teacher)	2 <sup>nd</sup> yr Hons 3 <sup>rd</sup> yr Hons 2 <sup>nd</sup> yr Gen 3 <sup>rd</sup> year Gen		8. Vision 3. Work and sports physiology 5. Reproductive physiology-I & II 3. Environmental physiology	3 <sup>rd</sup> - Hons- Dale's experiment 2 <sup>nd</sup> Gen- All 3 <sup>rd</sup> Gen-All
3.	Dibyendu Maity (Guest Teacher)	2 <sup>nd</sup> yr hons 3 <sup>rd</sup> yr hons 2 <sup>nd</sup> year Gen 3 <sup>rd</sup> year Gen	P-I / UNIT-03 P-II / UNIT-03 P- IV (A)	11. Methodology & Insrummentation 12. Endocrinology III & IV 9. Endocrinology-II 7. Microbiology	2 <sup>nd</sup> -Hons- Exp Phys 3 <sup>rd</sup> - Hons- Microbiology 2 <sup>nd</sup> Gen- All
4.	Neepa Bannerjee (Guest Teacher)	2 <sup>nd</sup> yr hons 3 <sup>rd</sup> yr hons 2 <sup>nd</sup> year Gen 3 <sup>rd</sup> year Gen	P-I / UNIT-03 P-II /UNIT- 04 P- IV (A)	23. Nervous system 4 24. Social Physiology 9. Endocrine system-II,part3 15. Social physiology,part3	2 <sup>nd</sup> Hons-Histology 3 <sup>rd</sup> - Hons- Diet Survry 2 <sup>nd</sup> Gen- All
5	Dr. Sutapa Das (Guest Teacher)	2 <sup>nd</sup> yr Hons 3 <sup>rd</sup> yr Hons 2 <sup>nd</sup> yr Gen 3 <sup>rd</sup> yr Gen		16. Nervous system 17. Environ Physiology  1. All	3 <sup>rd</sup> Gen- All

## Teaching Plan for Academic year 2019-2020

(For 3<sup>rd</sup> yr only in old 1+1+1 pattern)

### First Phase (July to October):

	Name of the Teacher	Module assigned			
		Theoretical paper			Practical paper
1.	Madhumita Debnath. (Assistant Professor)	3 <sup>rd</sup> yr Hons 3 <sup>rd</sup> year Gen	P-I / UNIT-01	6. Immunology 7.	3 <sup>rd</sup> - Hons- Biochemistry (Colorimetry)
2.	Dhruba Sautya. (SACT)	3 <sup>rd</sup> yr Hons 3 <sup>rd</sup> year Gen	P-I / UNIT-01 P- IV (A)	9. Reproductive Physiology I& II 4.	

3.	(Guest Teacher1) vacant				
4.	Guest Teacher2) vacant				
5.	(Guest Teacher3) vacant				

### Second Phase (Late October to December):

	Name of the Teacher	Module assigned			
		Theoretical paper			Practical paper
		3 <sup>rd</sup> yr Hons	P-I/ UNIT-02	9. Endocrine I & II	3 <sup>rd</sup> - Hons- Biostatistics
3 <sup>rd</sup> year Gen		8.			
2.	Dhruba Sautya. (Part time Teacher)	3 <sup>rd</sup> yr Hons	P-I/ UNIT-01	10. Developmental Biology	
		3 <sup>rd</sup> year Gen	P- IV (A)		
3.	Guest Teacher1 (vacant)				
4.	Guest Teacher2 (vacant)				
5	Guest Teacher3 (vacant)				

### Third Phase (Jan to May):

	Name of the Teacher	Module assigned			
		Theoretical paper			Practical paper
		3 <sup>rd</sup> yr Hons	P-I/ UNIT-03	9. Biostatistics, Chronobiology	3 <sup>rd</sup> - Hons- Field Survey (Project)
3 <sup>rd</sup> year Gen	P- IV (A)	4. Biostatistics			
2.	Dhruba Sautya. (Part time Teacher)	3 <sup>rd</sup> yr Hons		11. Work and sports physiology	
		3 <sup>rd</sup> year Gen	P- IV (A)	4.	
3.	Guest Teacher1 (vacant)				
4.	Guest Teacher2 (Vacant)				
5	Guest Teacher3 (Vacant)				

## Program outcome and Learning outcome in Subject of Physiology (UG Level):

PROGRAMME OUTCOME	LEARNING OUTCOME
<ol style="list-style-type: none"> <li>1. To provide a course study in mammalian, principally human system physiology, building on knowledge of basic physiological principles as established in the B.Sc. (1+1+1) honours level curriculum.</li> <li>2. To understand the chemical nature of life and life processes.</li> <li>3. To expand knowledge on some specific areas and introduce new and more complex physiological knowledge in domain.</li> <li>4. To develop practical skills in hematology, histology, cardio- respiratory physiology, sports physiology, pharmacology, molecular biology and qualitative and quantitative biochemistry as introduced in the curriculum.</li> <li>5. To develop concept of designing experiments in laboratory, to note their observations, analyze data and interpret.</li> <li>6. To have first-hand training on performing community based field-survey on human subjects. To conduct Diet-survey in community and individual level following the latest ICMR guidelines.</li> <li>7. To prepare UG level students for a number of higher level/PG courses principally in Physiology, Medical Physiology, Neuroscience, Pharmacology, Pathology, Biotechnology, Sports Sciences, Biochemistry etc.</li> <li>8. To develop understanding of professional, ethical, security and social issues and responsibilities related to teaching, learning and evaluation in the subject domain.</li> <li>9. To evaluate information on human health and medical research as to its social, ethical and environmental implications as part of responsible citizenship.</li> <li>10. To develop the ability to communicate effectively among a range of audiences or stakeholders.</li> </ol>	<ol style="list-style-type: none"> <li>1. At the end of the course students of Physiology honours should have an enhanced knowledge and appreciation of mammalian physiology, especially human systems.</li> <li>2. They should understand the functioning of important and classical physiological systems like cardio-respiratory, renal, neural, reproductive and metabolic system in humans.</li> <li>3. They should understand how these separate systems interact to yield integrated physiological responses to challenges like fasting, exercise, high altitude etc. and also how they sometime fail to counteract.</li> <li>4. They should be able to recognize and identify all principal cell and tissue structures in mammalian system.</li> <li>5. They should learn to design experiment in laboratory, analyze data, and make reports on their observations in Physiology.</li> <li>6. They should develop the ability to use the principles of the scientific method. They should have the basic understanding of concepts of instrumentation.</li> <li>7. They should know how to perform field survey on various physiological and epidemiological parameters related to human subject and make report of the same.</li> <li>8. They should develop data fluency including quantification and statistical analysis using appropriate statistical software.</li> <li>9. They should know how to communicate effectively, both in written and oral form, and to deliver short seminar/lecture among range of stake holders using appropriate technologies.</li> </ol>