



**UNIVERSITY INSTITUTE OF APPLIED
HEALTH SCIENCES
DIVISION- OPTOMETRY**


SCHEME-2019

DURATION- 4YEARS

BATCH- 2019

PROGRAM CODE BO 201


Executive Director
Sciences & Technology
Chandigarh University
Gharuan, Mohali, (Punjab)


Principal
University Institute of Pharma Sciences (UIPS)
Chandigarh University
Mohali (Punjab) - 140413


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Vice-Chancellor
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**UNIVERSITY INSTITUTE OF APPLIED
HEALTH SCIENCES
DIVISION- OPTOMETRY**

Semester-I

Year	Sem	Subject Code	Subject Title	L	T	P	S	Credit
I	I	OMT101	Anatomy-1	4	0	0	0	4
I	I	OMT102	Physiology-1	3	0	0	0	3
I	I	OMT103	Biochemistry	3	0	0	0	3
I	I	OMT104	Geometrical Optics	3	0	0	0	3
I	I	OMT105	Computer Applications	2	0	0	0	2
I	I	OMP106	Computer Applications- Lab	0	0	2	0	1
I	I	OMP107	Anatomy 1- Lab	0	0	3	0	1.5
I	I	OMP108	Physiology 1- Lab	0	0	3	0	1.5
I	I	OMP109	Geometrical Optics- Lab	0	0	2	0	1
I	I	OMP110	Biochemistry- Lab	0	0	2	0	1
I	I	UCY-146	Life Skills and Mentoring- 1	0	1	0	0	1*(MNG)
			(Total Hours:27hrs)	15	1	12	0	21

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Executive Director
Sciences & Technology
Chandigarh University
Chandigarh, Mohali (Punjab)

[Handwritten Signature]
Principal
University Institute of Pharma Sciences (UIPS)
Chandigarh University
Mohali, Punjab - 140413

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Semester-II

Year	Sem	Subject Code	Subject Title	L	T	P	S	Credit
I	II	OMT151	Anatomy-II	3	0	0	0	3
I	II	OMT152	Physiology-II(General, Ocular)	3	0	0	0	3
I	II	OMT155	Ocular Anatomy and physiology I	3	0	0	0	3
I	II	OMT154	Microbiology I(General, Ocular)	3	0	0	0	3
I	II	UCT191	Communications Skills	2	0	0	0	2
I	II	UCY194	Environment , Waste and Disaster Management	3	0	0	0	3(MNG)
I	II	OMP156	Physiology II- Lab	0	0	2	0	1
I	II	OMP160	Ocular Anatomy and physiology 1- Lab	0	0	2	0	1
I	II	OMP158	Microbiology I- Lab	0	0	2	0	1
I	II	UCP192	Communications lab	0	0	2	0	1
I	II	OMP159	Anatomy II- Lab	0	0	2	0	1
I	II	UCW197	Gender Equity and women Empowerment	0	0	0	2	2*(Self Study MNG)
I	II	UCW 198	MOOCS	0	0	0	3	3(SSMNG)
I	II	UCY-196	Life Skills and Mentoring- 2	0	1	0	0	1*(MNG)
			(Total hours:28hrs)	19	1	10	3	19

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(Punjab)

[Signature]
Principal
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Chandigarh University
Mohali (Punjab) - 140413

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**UNIVERSITY INSTITUTE OF APPLIED
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Semester-III

Year	Sem	Subject Code	Subject Title	L	T	P	S	Credit
II	III	OMT201	Visual Optics (Optics I)	3	0	0	0	3
II	III	OMT210	Ocular anatomy and physiology 2	3	0	0	0	3
II	III	OMT203	Medical pathology & Microbiology (General & Ocular)	3	0	0	0	3
II	III	OMT204	General Pharmacology	3	0	0	0	3
II	III	OMT205	Ophthalmic & Optical Instrumentation & Procedure I	3	0	0	0	3
II	III	OMP206	Medical pathology & Microbiology (General & Ocular)- Lab	0	0	3	0	1.5
II	III	OMP207	Ophthalmic & Optical Instrumentation & Procedure I- Lab	0	0	3	0	1.5
II	III	OMP211	Ocular anatomy and physiology 2- Lab	0	0	3	0	1.5
II	III	OMP209	General Pharmacology- Lab	0	0	3	0	1.5
II	III	UCT 242	Introduction to management and Leadership	2	0	0	0	2
II	III	OMY210	Medical waste management	2	0	0	0	2*(MNG)
II	III	UCW 249	Enterpreneurship	0	0	0	2	1(Project)
II	III	UCY-246	Life Skills and Mentoring-3	0	1	0	0	1*(MNG)
II	III		(Total Hours:31hrs)	19	1	12	2	24

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Sciences & Technology
Chandigarh University
Gharuan, Mohali (Punjab)

[Signature]
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Chandigarh University
Mohali (Punjab) - 140413

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Semester-IV

Year	Sem	Subject Code	Subject Title	L	T	P	S	Credit
II	IV	OMT256	Visual Optics – 2	3	0	0	0	3
II	IV	OMT252	Ophthalmic & Optical Instrumentation & Procedure II	3	0	0	0	3
II	IV	OMT253	Clinical Refraction I	3	0	0	0	3
II	IV	OMT254	Ocular Disease I (Anterior Segment Disease)	3	0	0	0	3
II	IV	OMT255	Ophthalmic Lens & Dispensing Optics	3	0	0	0	3
II	IV	UCW295	Social and Professional ethics	0	0	0	2	2*(Self Study MNG)
II	IV	OMP261	Visual Optics 2- Lab	0	0	3	0	1.5
II	IV	OMP258	Ophthalmic & Optical Instrumentation & Procedure II- Lab	0	0	3	0	1.5
II	IV	OMP259	Clinical Refraction I- Lab	0	0	3	0	1.5
II	IV	OMP260	Ophthalmic Lens & Dispensing Optics- Lab	0	0	3	0	1.5
II	IV	OMY261	Essential pharmacology	3	0	0	0	3(MNG)
II	IV	UCW 262	MOOCS	0	0	0	3	3(SSMNG)
II	IV	UCY-296	Life Skills and Mentoring- 4	0	1	0	0	1*(MNG)
(Total Hours:30hrs)				20	1	12	3	21

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Executive Director
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Chandigarh University
Gharuan, Mohali. (Punjab)

Principal
University Institute of Health Sciences (UIHS)
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Mohali, Punjab - 140413

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Semester-V

Year	Sem	Subject Code	Subject Title	L	T	P	S	Credit
III	V	OMT301	Binocular Vision & Ocular Motility	3	0	0	0	3
III	V	OMT302	Contact Lens I	3	0	0	0	3
III	V	OMT303	Clinical Refraction II	3	0	0	0	3
III	V	OMT304	Ocular Disease II (Posterior & Neuro-eye Disease)	3	0	0	0	3
III	V	OMT305	Low Vision Aids & Visual Rehabilitation	3	0	0	0	3
III	V	OMP306	Binocular Vision and Ocular Motility- Lab	0	0	2	0	1
III	V	OMP307	Contact Lens I- Lab	0	0	2	0	1
III	V	OMP308	Clinical Refraction II- Lab	0	0	2	0	1
III	V	OMP309	Low Vision Aids & Visual Rehabilitation- Lab	0	0	2	0	1
III	V	OE-1	OPEN ELECTIVE	3	0	0	0	3
III	V	OMA310/OMB311	SUBJECT ELECTIVE	3	0	0	0	3
			(Total hrs:33hrs)	21	0	12	0	25

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University Institute of Pharma Sciences (UIPS)
Chandigarh University
Mohali (Punjab) - 140413

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SUBJECT ELECTIVE

Year	Sem	Subject Code	Subject Title	L	T	P	S	Credit
III	V	OMB-311	Advanced Ocular Diagnostics	3	0	0	0	3
III	V	OMA-310	Ocular Prothesis	3	0	0	0	3

OPEN ELECTIVE

Year	Sem	Subject Code	Subject Title	L	T	P	S	Credit
III	V	OMO-310	Ocular Hazards	3	0	0	0	3

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Semester-VI

Year	Sem	Subject Code	Subject Title	L	T	P	S	Credit
III	VI	OMT351	Systemic Condition & the Eye	3	0	0	0	3
III	VI	OMT352	Public Health & Community Optometry	3	0	0	0	3
III	VI	OMT353	Research methodology and Biostatistics	3	0	0	0	3
III	VI	OMT354	Contact Lens II	3	0	0	0	3
III	VI	OMT355	Professional Practice Management	3	0	0	0	3
III	VI	OMT356	Applied Optometry & Orthoptics	3	0	0	0	3
III	VI	OMT 363	Medical Psychology	1	0	0	0	1
III	VI	OMP357	Contact LensII- Lab	0	0	3	0	1.5
III	VI	OMP358	Applied Optometry & Orthoptics- Lab	0	0	3	0	1.5
III	VI	OMT359	MANAGEMENT OF OT	2	0	0	0	2
III	VI	OMT360	EYE BANKING	2	0	0	0	2
III	VI	UCW 361	MOOCS	0	0	0	3	3(SSMNG)
			(Total hrs:30 hrs)	20	0	6	5	26

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[Signature]
Principal
University Institute of Pharma Sciences (UIPS)
Chandigarh University
Mohali (Punjab) - 160013

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Semester-VII

Year	Sem	Subject Code	Subject Title	L	T	P	S	Credit
IV	VII	OMI 401	Refraction Clinic-I	0	0	4	0	4
IV	VII	OMI 402	Diagnostic Clinic-I	0	0	4	0	4
IV	VII	OMI 403	Low Vision Clinic	0	0	4	0	4
IV	VII	OMI 404	Binocular Vision Clinic-I	0	0	4	0	4
IV	VII	OMI 405	Project-I	0	0	5	0	05
IV	VII	UCW 406	Behavioural and Occupational Optometry	0	0	0	1	1(SSMNG)
				0	0	25	1	25

Semester-VIII

Year	Sem	Subject Code	Subject Title	L	T	P	S	Credit
IV	VIII	OMI412	Refraction clinic-II	0	0	4	0	4
IV	VIII	OMI 413	Diagnostic Clinic-II	0	0	4	0	4
IV	VIII	OMI 414	Binocular Vision and therapy Clinic-II	0	0	4	0	4
IV	VIII	OMI 415	Contact lens Clinic	0	0	4	0	4
IV	VIII	OMI 416	Project-II	0	0	5	0	5
IV	VIII	UCW 417	Clinical Optometry Practices	0	0	0	1	01(SSMNG)
				0	0	25	1	25

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