





Logbook of PhD of Histology & Cell Biology (HIST 600)





Person	001	Data
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120	rsonae Data
Name:	
Department:	
Mobile Number	
E-mail Address:	
PhD Degree: Date of registration: Signature:	
Head of the Department	Vice Dean for research and postgraduate study
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Aim of the Logbook.

To provide evidence that the candidate attained the desired level of competence required to gain the award. In this book, the candidate will document all academic and clinical skills he/she attained during their training.

Important regulations (for PhD candidates):

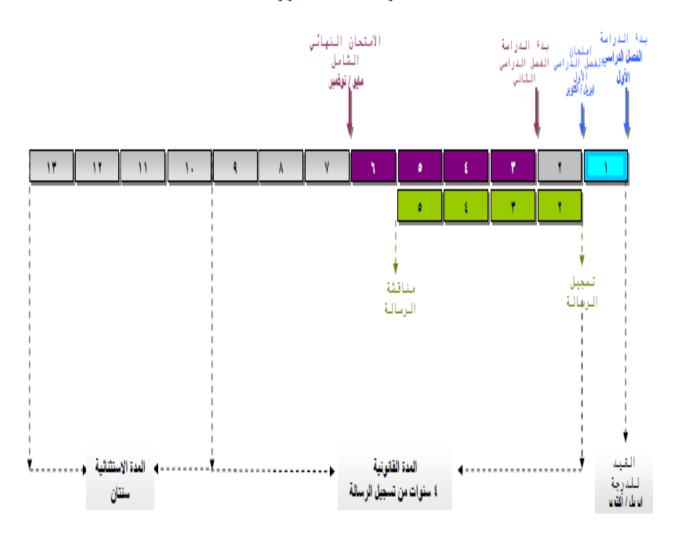
- -To be legible for the first part MD exam you have to attend at least 70% of the lectures of each course in the semester as evidenced by the logbook
- -To be legible for the (MCQ online) exam at the end of each of second part semesters you have to attend at least 70% of the lectures of each course/module in the semester as evidenced by the logbook.
- To be legible for the final MD/PhD exam:
- 1- A time interval of 36 months must pass since the day of degree registration.
- 2- You have to take your practical/clinical training three times/week for two years.
- 3-You have to register 5 semesters on Ibn lhaythm registration page.
- 4- You have to attend 70% of the lectures of each course in the second part of MD/PhD degree.
- 5- You have to fulfill and perform 70% of the practical skills documented in the logbook.

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درجـة الدكتوراه



الغاء القيد ١- مرور عام دون أن يتقدم الطالب لامتحان الفصل الدراسي الأول بدون عذر مقبول أو إيقاف قيد ٢ ـ إنتهاء المدة القانونية والاستثنائية للعصول على الدرجة

مدة الدراسة والساعات المعتمدة ٢ فصول دراسية: ١٠ ساعة معمدة

الجزء الأول : فصل دراسي واحد : ٥ ساعات

الرسالة : ٤ فصول دراسية : ١٥ ساعة

الجزء الثاني: ٤ فصول دراسية

* المقررات الدراسية النظرية : ٢٥ ساعة معتمدة

* كراسة الأنشطة : ١٥ ساعة معتمدة





PhD Degree in Histology & Cytology (HIST 600)

المقررات الدراسية وتوزيع الساعات المعتمدة

عات تمدة	السا المع	الكــــود	Courses	المقـــررات	
5	2	HIST 602 EM	Electron Microscope	الميكروسكوب الإلكتروني	
	3	HIST 602 GE	Genetics	علم الوراثة	الفصل الدراسي الأول
	دراسات متقدمة في المجال الطبي يتم عقد دورات تدريبية لها ويتم استيفاء هذه الدورات بحضورها - طرق البحث العلمي - الإحصاء الطبي - الإحصاء الطبي في العلوم الطبية - استخدام الحاسب الآلي في العلوم الطبية				
	دراسية	ي و تستمر لمدة أربع فصول	ي تبدأ مع بداية الفصل الدراسي الثاني	مخصص لكتابة بروتوكول رسالة الدكتوراه التر	الفصل الدراسي الثاني
	23	HIST 602	Histology & Cell Biology (Advanced course)	علم الأنسجة وبيولوجيا الخلية (مستوى متقدم)	الفصل الدراسي الثالث
25	2	HIST 630 CC HIST 630 HE HIST 607 IM	Elective course:	المقرر الاختياري (يختار مقرر واحد فقط): الكيمياء الاكلينيكية امراض الدم علم المناعة	والرابع و الخامس و
1	HIST 602 P نضير العينات لفحصها بالميكر وسكوب الضوئي نضير العينات لفحصها بالميكر وسكوب الإلكتروني اع الصباغات المختلفة		 برنامج التدریب العملي في علم الأنسة والخلایا تحضیر العینات لفحصها بالمیکروسکوب الصوئي تحضیر العینات لفحصها بالمیکروسکوب الإلکتروني أنواع الصباغات المختلفة أنشطة علمیة مختلفة 	كراسة الأنشطة	
1	تبدأ مع بداية الفصل الدراسي الثاني و تستمر لمدة أربع فصول دراسية				
6	إجمالي الساعات المعتمدة				

نظام الامتحان وتوزيع الدرجات: (دكتوراه الهستولوجيا - الأنسجة والخلايا)

الفصل الدراسي الأول

الدرجة	الاختبار	المقرر
تحريري	· ·	
١	اختبار تحريري مدته ثلاث ساعات	الميكرو سكوب الالكتروني
		علم الوراثة
١٠٠	اختبل تحريري مدته ثلاث ساعات	علم الوراك





الامتحان النهائي الشامل

						
إجمالي	OSPE	Structured oral	الــــدرجة Written Written		الاختبار	المقرر
	1		; + ;	cytology: general (٩٠) ورقة أولي(٩٠) 30% : 70% بسبة Special :Neurohist (٩٠) ورقة ثانية بسبة بسبة	إختباران تحريريان مدة كل منهما ثلاث ساعات + اختبار شفهي + اختبار عملي	علم الأنسجة وبيولوجيا الخلية
		1:3	0.		اختبار تحريري مدته ساعة	المقرر الاختياري
٤٥٠	إجمالي الدرجة					

في كل مقرر يتم تدريس<mark>ه في نهاية الفصل الدراسي MCQ ملحوظة</mark>: سيتم عقد امتحان وتحسب درجاته بنسبة ۲۰% من الدرجة الكل<mark>ية المخ</mark>صصة

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Contents

Section I: Scientific lectures.

Section II. Practical skills.

Section III. Seminars

Section IV: Student teaching sections.

Section V: Scientific activities (conferences/workshops)

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Section I:

Scientific Lectures

1- First part of phD Degree:

Code	Course
HIST 602 EM	Electron Microscope
HIST 602 GE	Genetics
	Advanced Courses in:
	Research Methods
	Medical Statistics
74	The use of computer in medical science





2-Second part of phD Degree:

ltem	Credit Hou	ırs S	Semester	Course	Code
Thesis	15		2		
		23	3	Cytology	
Histology & Cell Biology			4	General Histology	
cen biology			5	Special Histology	HIST 602
	25		6	Neuro-histology	
Elective		2		Clinical Chemistry	HIST 602 CC
course:			-	Hematology	HIST 602 HE
10				Immunology	HIST 602 IM
Practical training course and	15		ITYE	ACULTYOF	HIST 602 P
Activity			.,,,,		





Name of the course: Electron Microscope

Compulsory course First part of phD

Credit hours: 2 Semester: (spring/fall/summer) year......

Date	Title of the lecture	Lecturer's signature
	Introduction Electron microscopy versus light microscop	
(6)	Tissue preparation • Spacemen handling • Factors affecting fixation	Q.
	Types of fixation: • Physical fixation • Cryo-fixation	
1:0	Chemical fixation Principles Primary Fixation	H
	Criteria of proper fixation Post fixation	
18/	Buffer Dehydration	100
	Impregnation	
	Sectioning: •Trimming • Staining semi-thin sections • Ultra-thin sections • Sectioning problems	
	Staining: • Enbloc staining • Post staining	





Date	Title of the lecture	Lecturer's signature
	Staining of thin sections	
	Staining of ultra-thin sections	
	Negative staining	
	• Other staining	
	o Other Stamming	
	Instrumental Base :	
	• EM resolution & magnification	
	• The electron gun and condenser system	
/ - >	The image-producing system	
	Scanning E/M and other Types and	
	applications of Electron Microscope	
	applications of Electron Microscope	
	Scanning E/M	
	• Introduction,	3
[:2]	• Materials,	1161
	• Procedure,	V-
2	• Troubleshooting	Lu l
	Special considerations with EM	
	specimens with EM	
	specificits	
1021	Scanning E/M and other Types and	2/
\ 0, \	applications of Electron Microscope	
101		4/
121	WIVERSITY FACULTY OF	. /
17	10	
	WIVE	
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Name of the course: Genetics

Compulsory course First part of phD

Credit hours: 3 Semester: (spring/fall/summer) year......

Date	Title of the lecture	Lecturer's signature			
Chapter 1: Basic	Chapter 1: Basic Genetics				
	DNA				
14/	Chromosomes				
	Centromere & Telomere				
3	DNA Replication	NE			
	DNA Transcription				
18	RNA Processing				
	Centrifugation Techniques				
	Main 3 Types Of RNA				
	Other Types Of RNA				
	Genetic Code				





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Date	Title of the lecture	Lecturer's signature
	Protein Synthesis	
	Regulation Of Gene Expression	
	DNA Repair	
	Mutation	
	Human Genome	
13/	Genome Of Microorganisms	3 -
	Mitochondrial Genome	
Chapter 2: Medic	cal Genetics	
	Interphase	
12	Mitosis	Mr.
	Meiosis	
	Karyotyping	
	X & Y Chromosomes	
	Banding Techniques	





Date	Title of the lecture	Lecturer's signature
	Numerical Chromosomal Anomalies	
	Structural Chromosomal Anomalies	
	Patterns of Inheritance: Mendelian	
	Patterns of Inheritance: Non-Mendelian	
	Genetics Of Cancer	
	Gene Therapy	
	Epigenetics	
	Stem Cells	
	Cloning	
Chapter 3: Molec	cular Biology & Genetic Engin	eering
	Restriction Endonucleases	
	Gel Electrophoresis	
	Blotting Techniques	
	ISH, FISH & Microarray Techniques	





Date	Title of the lecture	Lecturer's signature
	Gene Amplification & Cloning Vectors	
	Gene Sequencing	
	Strategies Of Genetic Engineering	
	Applications Of Genetic Engineering	
	Fingerprinting & Footprinting	
	Genetic Variation in Natural Population	
	Gene Mapping	
	State of the Art in Molecular Biology	
	State of the Art in Genetics	
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(Module 1; Cytology)

Compulsory course second part of phD

Credit hours: 3.5 Semester: (spring/fall/summer)

year.....

Date	Title of the lecture	Lecturer's signature
	Introduction	
	-Introduction for Histology (time line of microscopy)	
1.9.	-Microscopy: principles, types and applications of: • optical microscope	EX
	-Phase contrast microscope -Differential phase microscope -polarized light &prisms	
10 P	Ultraviolet and fluorescence microscopeConfocal laser, atom force microscope	
	-Cell theory prokaryon eukaryon	
	Membranous Cell organelles	
	Cell membrane molecular structure: *Proteins	





Date	Title of the lecture	Lecturer's signature
		Ü
	=Cell membrane molecular structure:	
	*Lipids and cholesterol	
	*Lipid raft	
		2
	- Cell membrane molecular structure:	
	* types of CHO	
	*Cell coat	
	-Function of the cell membrane	
	-Mitochondria: Molecular structure,	
	function and diseases	
	-Types of ATPases	
	-Endomembranous system:	
	-Ribosomes	
135	Golgi apparatus and rER	13/
	sER &endosomes	
	*Lysosomes	
	*Clinical hint	
	*Peroxisomes	
	*Clinical hint	
	*Intracytoplasmic vesicle trafficking&	
	transportation	





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Date	Title of the lecture	Lecturer's signature
	Non- Membranous Cell organelles	
	-Microtubules	
	-Centriole	
	-Cilia & Flagella	
	-Clinical hint	
	-Microfilaments	
	-Intermediate filaments	
/. >	-Thick filaments	
	-Cell locomotion	
	-Clinical hint	
	Cell inclusions	
	*Stored food	
	*Pigments *Crystals	
	-Cytosol	
	-Clinical hint	
	Nucleus	
	*Introduction	
	*Nuclear envelope	
	*Nuclear pore & nuclear pore complex	
	-Nucleus:	
	*Subnuclear bodies (e.g. Cojal bodies)	
	* Nucleolus	
	*Nuclear sap	
	*Nuclear lamina & clinical hint	
	*Dynamics and regulation	
	*Chromatin	
	*Molecular structure	





Date	Title of the lecture	Lecturer's signature
	-Nucleus:	
	*Sex chromatin	
	*Clinical hint	
	Morphology of chromosomes	
	Cell cycle	
	-Cell cycle (Interphase &mitotic cell	
	division)	
	-Control of the cell cycle	
	·	
	Meiotic cell division:	
	*Oogenesis	
	*Spermatocytogenesis	
	-Autoradiography	
	-Mitotic figure	
	-Mitotic index	
	-Hybridization techniques	
	Apoptosis and necrosis	
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(Module 2; General Histology)

Compulsory course second part of phD

Credit hours: 8 Semester: (spring/fall/summer) year......

Date	Title of the lecture	Lecturer's signature
Date	Epithelium	icetatet 3 signature
	_	
	-Covering epithelium	
1:2	-Glandular epithelium	1:4
	-Glandular epithelium	
13/	-Cell junction	15/
	-Neuroepithelium	
	- Basement membrane	
	Connective Tissue	
	-C.T. fibres	





Date	Title of the lecture	Lecturer's signature
	- C.T. cells	
	-C.T. proper	
	Clinical hints	
	Cartilage	
	-Cartilage	
	- Growth of Cartilage -Clinical hint	
	Bone	
	-Bone cells	
	-Types of bone	
TA	-Ossification	11/
	-Growth of Bone	
	- Factor affecting Bone growth	
	-Clinical hint	





Date	Lecture	Lecturer's signature
Bato		100101010010101010
	Muscle Tissue	
	-Skeletal muscle fibre	
	-Triad of tubular system	
	-Classification of muscle fibres	
	-Cardiac muscle fibre, wall of the heart	100
	-Valves and conducting system	
3	-Moderator band	Ш
	-Erythrocytes and thrombocytes	
	-Leucocytes and haemocytopoiesis	
	The Vascular System	
	-General structure of blood vessels	
	Specific character of endothelial cells	
	-Large Arteries	





Date	Lecture	Lecturer's signature
	- Large Veins	
	Medium Sized Artery & Veins	
	Special types of Medium Sized Artery	
	-Arterio-venous connection:	
	1.Blood capillaries	
	2.Blood sinusoids	
	3.A-V anastomosis	
	Blood Tissue Barriers	
	Portal circulation in human body	
	Biological factors affecting Blood vessels	
	Clinical hints	
	-The Nervous System	
	-Structure of the neuron	
	-Types of the neuron	





Date	Title of the lecture	Lecturer's signature
	-The nerve fibre - Structure of the nerve fiber	
	-Types of the nerve fiber - Myelination of nerve fiber	
	-Difference between peripheral & CNS Myelination	
	-The peripheral nerve trunk	
	Nerve ganglia	
	-The synapse	
	-The neuroglia	
	-Degeneration	
	-Regeneration	
	-Stains for degenerated nerve fibres	
	-Clinical hint	





Date	Title of the lecture	Lecturer's signature
	Lymphatic Tissue	
	-Non capsulated lymphoid follicle	
	-Lymph node	
	-Spleen and tonsils	
	-Tonsils	
13/	-Thymus gland	11-1
	-The macrophage system	
	Clinical hints	
	The Respiratory System	
194	-The conductive portion of the respiratory system	My/
	-The respiratory portion of the respiratory system	
	-Blood air barrier	
	-Alveolar macrophage	





Date	Title of the lecture	Lecturer's signature
	-Pleura -blood supply of lung	
	Clinical hints	







(Module 3; Special Histology)

Compulsory course

second part of phD

Credit hours:7 Semester: (spring/fall/summer) year......

Date	Title of the lecture	Lecturer's signature
	Skin	
	-Keratinocytes of epidermis of thick skir & medical application	
1.9,	-Other cells of epidermis of thick skin &medical application	1:15
	-Dermis of thick skin & immunological activity in the skin	
125/	-Thin skin & hair follicle	100
	-Glands of the skin	
	-Skin pigmentation and nail plate	
	Urinary system	
	-Renal corpuscle & blood filtration Proximal & distal convoluted tubules of kidney	





Date	Title of the lecture	Lecturer's signature
	-Nephron Loop of Henle & collecting tubules	
	-Juxtaglomerular apparatus and blood circulation	
	-Urinary bladder and ureter	
1000	Gastrointestinal Tract	//
	-Oral cavity: *Tongue & *Lip *Pharynx & *Palate	P
	-General structure of alimentary tract -Esophagus	
No.	-Fundus of the stomach	INE
	- Pylorus of the stomach - Gastro-eosophageal junction	
PA	-Entero-endocrinal system	
	-Small intestine: Lining epithelium of intestinal villi	
	-Small intestine: Lining epith. of intestinal crypt	
	-Structure of Small intestinal wall	





Date	Title of the lecture	Lecturer's signature
	-Differences between Duodenum, Jejunum and Ileum - Pyloro- duedenal junction	
	- Large intestine - Appendix	
	-Recto-anal junction	
	Digestive Glands	
	-Organization of exocrine pancreas -Regulation of pancreatic secretion	
	-Internal organization of the liver -Drainage chanelles of the liver: *Bile ducts *Blood sinusoids *Lymphatics	
18/	-Zonation of the liver acini -Cytology of hepatocytes	
	-Secretory function of hepatocytes -Gall bladder (structure& histophysiology)	
	-Organization of salivary glands -Histophysiology and medical applications of salivary glands	





Date	Title of the lecture	Lecturer's signature
	Endocrine Glands	
	-Hormonal communication and transmission -Relation between anterior pituitary and hypothalamus	
3	-Cytology of acidophils &basophils -Posterior pituitary (structure& histophysiology)	
	-Thyroid follicular cells -Thyroid parafollicular cells	
Z S	-Parathyroid(structure& histophysiology) -Histophysiology of pineal gland	F
	-Biology of steroid secreting cells -Development of adrenal gland	
	-Corticosteroids (types, regulation) -Relation between adrenal medulla &sympathetic system	
	-Blood supply of adrenals -Paraganglia	
	-Pancreatic islets of Langerhans (cytology &histophysiology)	





Date	Title of the lecture	Lecturer's signature
	Male Genital System	
	-Seminal tubules	
	- Spermatogensis - Sertoli cells	
	-The colonal nature of male germ cells -Spermiogenesis	
14/	-Intratesticular ducts	
	-Accessory gland & penis -Excretory ducts	
	Female Genital System	
18	-Development of the ovary - Follicular growth	10/
	- Ovulation and corpus luteum -Uterine tubes	
	-Uterus & uterine cervix -Endometrium	
	-Endometrial changes during menstrual cycle	
	- Mammary gland during various stages of female cycle	





(Module 4; Neurohistology)

Compulsory course Second part of phD

Credit hours: 4.5 Semester: (spring/fall/summer)

year.....

Date	Title of the lecture	Lecturer's signature
	Meninges	
1,5	CSF	1.4-
	Spinal Cord	
	Spinal cord	
18	Ascending Tracts	15/
	Ascending Tracts	
	Descending Tracts	
	Short Tracts	





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Date	Title of the lecture	Lecturer's signature
	Brain stem	
	Medulla	
	Medulla	
	Reticular Formation	
Z	Pons	The state of the s
	Pons	
18/	Midbrain	(3)
	Midbrain	
	Ear	
	Ear 1	
	Ear 2	





Date	Title of the lecture	Lecturer's signature
	Eye	
	Eye 1	
	Eye 2	
11/	Eye 3	181
	Eye 4	
	Receptors	
100	Cerebrum	131
(P)	Cerebrum 1	
	Cerebrum 2	
	Cerebellum	
	Extrapyramidal syst.em	





Date	Title of the lecture	Lecturer's signature
	Thalamus	
	Hypothalamus	
2	Limbic System	
	Olfaction & taste	
1:9	Aging of CNS	
夏	Aging of CNS	N. S.
	Alzheimer's D	
	Brain regions	
	Precerebellar nuclei	
	Refractive media	





Aging of the eye	
Labyrinth	
Aging of the ear	







Name of the course: Clinical Chemistry

Elective course Second part of phD

Credit hours: 2 Semester: (spring/fall/summer) year......

Date	Title of the lecture	Lecturer's signature
	1- Renal function tests	
	Glomerular	
	Tubular	
/ 0/	2- liver function tests	
	 aetiologyof liver diseases 	- 3
	actual liver function	
13/	hepatocellular injury	11.1.1
	3- pancreatic disorders	
1	4- adrenal gland	
	5- tumor markers	
PA	6- Markers of coronary artery diseases.	1111





Name of the course: Hematology

Elective course Second part of phD

Credit hours: 2 Semester: (spring/fall/summer) year......

Date	Title of the lecture	Lecturer's signature
	Erythropoiesis	
188	Hemoglobinopathies	1/2:
	General Aspect and types of Anemia	
1.0	Membranopathies	15
	Granulopiosis	
18	Leukocytes disorders	10
	Histeocytes syndrome	
	Myeloproliferative disorders	
	Myelodysplastic syndrome	





Date	Title of the lecture	Lecturer's signature
	Lymphopoiessis	
	Lymphoproliferative disorders	
	Platelet disorders	
	Coagulative disorders	
	Bone marrow failure	
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Name of the course: Immunology

Elective course Second part of phD

Credit hours: 2 Semester: (spring/fall/summer) year......

Date	Title of the lecture	Lecturer's signature
	Normal immune system	
188	Innate immunity	1
	Complement and kinin systems	
1.0	Antigens	15
	Immunoglobulins and immunoglobulin genes	
18	Antigen - antibody reactions	15/
	Major histocompatibility complex	
	Inflammation	
	Humoral mmune response 2	





Date	Title of the lecture	Lecturer's signature
	Cell mediated immune response	
	Cytokines and chemokines	
	Mucosal immune system	
	Hypersensitivity reactions	P.
	Immunodeficiency diseases	
3	Immune tolerance and autoimmunity	NE
	Transplantation immunity	
PA	Tumour immunity	





Section II: Practical Skills WIVERSITY FACULTY OF THE SHARM SHARM SHARM SHARW SHA





List of requirements (may include multiple pages)

Name of the procedure/operation	Total number required	Observer	Assistant	Independent
Obtaining specimens for studying cytology	2	1.5	4	2
Obtaining specimens for studying general histology	5	W///	1/8	5
Obtaining specimens for studying special histology	5	Selection of the select	37	5
Obtaining specimens for studying Neuro-histology	2			2
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Name of the procedure/operation	Total number required	Observer	Assistant	Independent
Processing specimens for studying cytology	2	4.	2	2
Processing specimens for studying general histology	5	11777	18	5
Processing specimens for studying special histology	5	Sec.	3	5
Processing specimens for studying Neuro-histology	2	STORY OF THE PROPERTY OF	<i>y</i> /.	2
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Name of the procedure/operation	Total number required	Observer	Assistant	Independent
Staining sections for studying cytology	2	7.	1	2
Staining sections for studying general histology	5	11777	1/8	5
Staining sections for studying special histology	5	1977	3	5
Staining sections for studying Neuro-histology	M.	Sales of the sales	//	1
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(Under each procedure insert a number of rows equal to the no. required)

Procedure 1 Obtain	ning specimens for st	udying cytology	
Level of	Date	Location	Signature of
participation			supervisor
17/		Min	8.1
13/		1111/1/34	
Procedure 2 Obtain	ing specimens for st	udying general hist	ology :
121		STORY.	15
13/			101
PA			F MILL
	NIVERGIE	FACULTY	
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Level of participation:

Observer

Assistant





(Under each procedure insert a number of rows equal to the no. required)

Procedure 3 Obtaini	ng specimens for st	udying special hist	ology
Level of	Date	Location	Signature of
participation	. 1		supervisor
	1 20	-	
1 37			4
	Uni	Willy.	10.
13/	150	200	3.
1.0	115		1
Procedure 4 Obtaini r	ng specimens for stu	dying neurohistolo	ogy:
181			
TA	Ni.	010	1111
Level of participation:	VEDOL	=4CILTY	
Observer	LASITY	FACULI	

Assistant





(Under each procedure insert a number of rows equal to the no. required)

Procedure5 Processi			
Level of	Date	Location	Signature of
participation			supervisor
17/	7	Mrs.	P.
13/		111//30	11
Procedure 6 Process	sing specimens for s	studying general his	stology :
2			15
18			191
PA			W
	VIVEDOLEN	FACULTY	
	-43114	FACO	

Level of participation:

Observer

Assistant





(Under each procedure insert a number of rows equal to the no. required)

Procedure 7 Processing specimens for studying special histology			
Level of	Date	Location	Signature of
participation	1	. (supervisor
		'\	
(3)			//
	llm:	Willy.	10.1
13/	150	400	3
1.0	117		1
3	V Y	L'EST	N.
Procedure 8 Process	sing specimens for st	tudying neurohistolo	ogy:
181			10
TA	lui:	10%	H.
Level of participation:	WIVED	TILLIA	
Observer	ERSITY	FACOL	

Assistant





(Under each procedure insert a number of rows equal to the no. required)

D 1 0 C4-! !				
Procedure 9 Staining sections for studying cytology				
	LAL	3		
	2			
Procedure 10 Staining	sections for study	ring general histology :		
	11112			
1.5/1	1 512	13/2		
2	13	ш		
13	V Y			
100		13/		
Level of participation:		147		
Observer		· My		
Assistant	11:	FACULTYOF		
Independent	VEDO	- ACILLY		
	LASITY	-AUU		





(Under each procedure insert a number of rows equal to the no. required)

Procedure 11 Staining sections for studying special histology			
Level of	Date	Location	Signature of
participation	TAL	9	supervisor
	A Same		
27			V/\
	Max -	With.	12
13/	150	4	13/-
1.0	115		
Procedure 12 Stainin	ng sections for study	ing neurohistology	:
135	14 50		131
Level of participation:			101
Observer			
Assistant			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Independent	NIV	11710	
	VERGITY	EVCALI	
	VIVERSITY	MO	

Level of participation:





Section III: Seminars Wersity Faculty of the section of the secti





List of requirements:

1- Seminar attendance: 6 year

2- Seminar performance: 3/year

1- Attendance

Date	Topic	Supervisor's signature
	A .	
/ _) /		12-
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100		~ / /
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1.3		. /
	<u> </u>	





Date	Topic	Supervisor's signature
200		
1.9,		1.12
18		





2. Performance

Date	Topic	Supervisor's signature
		Pi
I I		NE
PA		Mr.





Section IV: Student teaching sections.

SOLD VIVERSITY FACULTY OF MILES





List of requirements:

Attendance: 6/ week performance: 4/ week

1- Attendance

Date	Section subject	Supervisor's signature
17/		P.i
3		VE V
18		





Section subject	Supervisor's signature
	1.15
	10/
	Section subject





2-Performance

Date	Section subject	Supervisor's signature
		Pi
3		NE
(F)		
	WIVERSITY FACULTY OF	





Section subject	Supervisor's signature
	1.15
	10/
	Section subject





Section V:

Scientific activities

(Conferences/workshops)

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List of requirements

Conferences				
Total number required	Attendance	Organization	Presentation	
3/ year	3	. X		
100		K		
1//	Worksho	ps		
Total number required	Attendance	Organization	Presentation	
1/year	1		CINE	
18			2/	
PAIN		106	11	
PA UNIVER	SITYFAC	ULTY		
2/1	DITYFAC			





Activity (Conference/Workshop	Role	Date	Supervisor's signature
	جام		
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3 7	5	737	F
13/1	THE P		3
18	1773		
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Role:

- -Attendant
- -Organizer
- -Presenter





Activity (Conference/Workshop	Role	Date	Supervisor's signature
	جام	4	
(3)		1	
		11/2	2.
1.9,	13-	100	1:15
13/1	Y		1 E
18			10
PAUNIN		TVOF	W.
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Role:

- -Attendant
- -Organizer
- -Presenter