PRINCIPLES OF HUMAN BIOLOGY

PRIN-A • WEEK 1 — The Body

Week Chair: **Dr. B Crawford**

lectures are in LSC #1 except as noted

FRIDAY SEP. 3		TIME	MON	TUESDAY SEP. 7	WEDNESDAY	THURSDAY	FRIDAY SEPT. 10		SAT. 11
Tutorial 1		08:00h	LABOUR DAY	*Intro to Histology* **Dr WK Ovalle**	Tutorial 2		Tutorial 3		CPR (Re-)Certification
		09:00h		*The Basic Tissues* **Dr K Pinder**					
Lecture: *Development of Body Form: Zygote to Embryo* **Dr B Crawford**		10:00h		Lab 2: *Basic Tissues / Microscopy & Methods* *Fetus Collection* **Multi-Purpose Lab** **Dr WK Ovalle**		Lecture: *Introduction to Pharmacology* **Dr AD Goumeniouk & Dr D Godin**			
		11:00h				Lecture: *Monitoring Pregnancy (imaging)* **Dr N Kent**	Case wrap up		
		12:00h		LUNCH					
Lecture: *Orientation – Back Muscles, Bone, Joints* **Dr B Crawford**		13:00h		Clinical Skills/ Family Practice Continuum MED STUDENTS ONLY (seminar room assignments at this time)	Doctor, Patient and Society **see group lists for location**	Clinical Skills/ Family Practice Continuum *(timetables will be distributed at 13:00h)* ALL MEDICAL STUDENTS	Lecture: *Organization of the Nervous System* **Dr W Vogl**		
Lab 1: *Orientation - Back* **Gross Lab**		14:00h					Laboratory 3: *Deep Back & Spinal Cord* **Gross Lab**		
		15:00h							
		16:00h							
June 14, 2004				Used book sale 7pm = Med I's time		Equipment Night			

WEEK 2 — Cell Division and Chromosomes

Week Chair: **Dr. B McGillivray** *lectures are in LSC #1 except as noted*

TIME	MONDAY SEPT. 13	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY SEPT. 17
08:00h	Tutorial 1		Tutorial 2		Tutorial 3
09:00h		Lecture: *Mitosis, Meiosis & Gametogenesis* **Dr B McGillivray**		Laboratory 2 / workshop *Analysis of Chromosome Behaviour* **Seminar Rooms**	
10:00h	Lecture: *Structure of the Genome* **Dr R MacGillivray**	Laboratory 1: *EM - Cell Nucleus and Other Structures* **Dr WK Ovalle Multi-Purpose Lab**	Lecture: *Normal Karyotype* **Dr B McGillivray**		Lecture: *Fundamental Concepts Pharmacology* **Dr AD Goumeniouk**
11:00h	*Student Financial Assistance* **R McCutcheon**		Lecture: *Cytogenetic Abnormalities* **Dr B McGillivray**		Case wrap up
12:00h	LUNCH				
13:00h	Dentistry 410 (Dental students) 13:00 to 17:00h	CS / FMPR (refer to schedules on MEDICOL for times & locations)	DPAS **see group lists for location**	CS / FMPR (refer to schedules on MEDICOL for times & locations)	Lecture: *Thorax I* **Dr J Church**
14:00h					Lecture: *Radiological Anatomy* **Dr B Crawford**
15:00h					Lab 3: *Dissection of thoracic walls &lungs* **Gross Lab**
16:00h					

June 14, 2004

WEEK 3 — Genes And Their Function

Week Chair: **Dr. S Langlois** *lectures are in LSC #1 except as noted*

TIME	MONDAY SEPT. 20	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY SEPT. 24
08:00h	Tutorial 1		Tutorial 2	Lecture: *Multifactorial Inheritance.* **Dr (TBA)**	Tutorial 3
09:00h		Lecture: *Mechanisms of Mutation* **Dr R MacGillivray**		Workshop: *Calculating Genetic Risks* **Seminar Rooms**	
10:00h	Lecture: *From Gene to Protein* **Dr R MacGillivray**	Laboratory 1: *Blood Cells* **Dr WA Webber** **Multi-Purpose Lab**	Lecture: *Polymorphisms and Mapping* **Dr R MacGillivray**		Lecture: *Fundamental Concepts in Pharmacology* **Dr Goumeniouk**
11:00h					Case wrap up
12:00h	L U N C H				
13:00h	Dentistry 410	CS / FMPR (refer to schedules on MEDICOL for times & locations)	DPAS	CS / FMPR (refer to schedules on MEDICOL for times & locations)	Lecture: *Thorax II* **Dr B Crawford**
14:00h					Lecture: *Radiological Anatomy II* **Dr B Crawford**
15:00h					Lab 2: *Dissection of the Heart* **Gross Lab**
16:00h					

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WEEK 4 — Organization of the Cell

Week Chair: **Dr. C Roberts** *lectures are in LSC #1 except as noted*

TIME	MONDAY SEPT. 27	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY OCT. 1
08:00h	Tutorial 1	Lecture: *Membrane and Protein Synthesis* **Dr C Roberts**	Tutorial 2		Tutorial 3
09:00h		Lecture: *Organelles* **Dr C Roberts**		Lecture: *Cell polarity* **Dr C Roskelley**	
10:00h	Lecture: *Overview of the Cell* **Dr C Roberts**		Evaluation Revisited **Dr A Towle**	Laboratory: *EM - Cell Cytoplasm* **Multi-Purpose Lab** **Dr WK Ovalle**	Lecture: *Pharmacokinetics #1* **Dr D Godin**
11:00h	BCMA Luncheon (mandatory for medical students)				Case wrap up
12:00h	L U N C H				
13:00h	Dentistry 410	CS / FMPR (refer to schedules on MEDICOL for times & locations)	DPAS	CS / FMPR (refer to schedules on MEDICOL for times & locations)	Lecture: *Thorax III - superior & posterior mediastinum* **Dr J Church**
14:00h					Laboratory 3: *Dissection of mediastinum* **Gross Lab**
15:00h					
16:00h					

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WEEK 5 — Neoplasia

Week Chair: **Dr. A Shah**

lectures are in LSC #1 except as noted

TIME	MONDAY OCT. 4	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY OCT. 8
08:00h	Tutorial 1	Lecture: *Epithelium* **Dr WK Ovalle**	Tutorial 2		Tutorial 3
09:00h		Lecture: *Cancer Pathology* **Dr D Owen**		Workshop: *Medical Genetics Case Studies* **Seminar Rooms**	
10:00h	Lecture: *Hallmarks of cancer* **Dr A Shah**	Laboratory: *Epthelium 1: Glandular Epthelium/ Mammary Gland* **Dr J Emerman Multi-Purpose Lab**	Lecture: *Principles of Cancer Therapy* **Dr C Grafton**		Lecture: *Anti-neoplastic drugs* **Dr S Gill**
11:00h	Lecture: *Molecular Biology of Cancer* **Dr D Huntsman**		Lecture: *Hereditary Cancer & Gene Testing* **Dr B McGillivray**		Case wrap up
12:00h	L U N C H				
13:00h	Dentistry 410	CS / FMPR (refer to schedules on MEDICOL for times & locations)	DPAS	CS / FMPR (refer to schedules on MEDICOL for times & locations)	Lecture: *Gross Anatomy of the Abdomen I* **Dr J Church**
14:00h					Laboratory 2: *Dissection of abdominal wall* **Gross Lab**
15:00h					

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WEEK 6 — Mid-Block Consolidation

Week Chair: **Drs. I Laher & S Langlois**

lectures are in LSC #1 except as noted

<table>
<tr><th>TIME</th><th>MONDAY OCT. 11</th><th>TUESDAY</th><th>WEDNESDAY</th><th>THURSDAY</th><th>FRIDAY OCT. 15</th></tr>
<tr><td>08:00h</td><td rowspan="10">THANKSGIVING DAY</td><td></td><td rowspan="4"></td><td rowspan="3">2 hour
EXAM</td><td></td></tr>
<tr><td>09:00h</td><td rowspan="3">-= OPTIONAL =-
Medical Genetics
Q & A
"Open Forum"
9:00–11:30am
LSC #1</td><td>Lecture:
Pharmacokinetics #2
Dr D Godin</td></tr>
<tr><td>10:00h</td><td></td><td rowspan="2">Introduction
to Imaging
Dr J Aldrich</td></tr>
<tr><td>11:00h</td><td rowspan="2">Exam Review
(10:30 - 11:30)</td><td rowspan="2">PBL Revisited
N Kelly</td></tr>
<tr><td></td><td></td></tr>
<tr><td>12:00h</td><td colspan="4">L U N C H</td></tr>
<tr><td>13:00h</td><td rowspan="4">CS / FMPR

(refer to schedules on MEDICOL for times & locations)</td><td rowspan="4">DPAS</td><td rowspan="4">CS / FMPR

(refer to schedules on MEDICOL for times & locations)</td><td>Lecture: Abdomen II
Dr J Church</td></tr>
<tr><td>14:00h</td><td>Lecture:
Visceral Nervous System
Dr W Vogl</td></tr>
<tr><td>15:00h</td><td rowspan="2">Laboratory:
Abdominal Cavity, Visceral Nervous System demo.
Gross Lab</td></tr>
<tr><td>16:00h</td></tr>
</table>

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PRIN-B • WEEK 7 — Metabolism

Week Chair: **Dr. B Tiberiis** *lectures are in LSC #1 except as noted*

TIME	MONDAY OCT. 18	TUESDAY . 19	WEDNESDAY	THURSDAY	FRIDAY OCT. 22
08:00h	Tutorial 1				Tutorial 2
09:00h		Lecture 1: *Connective Tissue* **Dr K Pinder**		Lecture: *Metabolism III* **Dr B Tiberiis**	
10:00h	Lecture: *Metabolism I* **Dr B Tiberiis**	Laboratory 1: *Connective Tissue* **Dr J Emerman Multi-Purpose Lab**	Lecture: *Metabolism II* **Dr B Tiberiis**		Lecture: *Pharmacokinetics 3* **Dr D Godin**
11:00h					Case wrap up
12:00h	L U N C H				
13:00h	Dentistry 410	CS / FMPR (refer to schedules on MEDICOL for times & locations)	DPAS	CS / FMPR (refer to schedules on MEDICOL for times & locations)	Lecture: *Abdomen III* **Dr M Doroudi**
14:00h					Laboratory 2: *Dissection of Foregut Organs and Vessels* **Gross Lab**
15:00h					

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WEEK 8 — Homeostasis

Week Chair: **Dr. C McIntosh**

lectures are in LSC #1 except as noted

TIME	MONDAY OCT. 25	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY OCT. 29
08:00h	Tutorial 1	Lecture: *Autonomic Nervous System* **Dr D Mathers**	Tutorial 2	Laboratory 2: *Oral Glucose Tolerance Test* **Dr C McIntosh**	Tutorial 3
09:00h		Lecture: *The Endocrine System* **Dr C McIntosh**			
10:00h	Lecture: *Homeostasis* **Dr C McIntosh**	Laboratory 1: *Epithelium 2: Lining Epithelium* **Dr WK Ovalle** **Multi-Purpose Lab**			Lecture: *Pharmacokinetics 4* **Dr D Godin**
11:00h			Lecture: *Physiology & Pathophysiology of Thermoregulation* **Dr D Mathers**	Lecture: *Hormonal Regulation of Blood Glucose* **Dr T Kieffer**	Case wrap up
12:00h	L U N C H				
13:00h	Dentistry 410	CS / FMPR (refer to schedules on MEDICOL for times & locations)	DPAS	CS / FMPR (refer to schedules on MEDICOL for times & locations)	Lecture: *Abdomen IV* **Dr M Doroudi**
14:00h					Laboratory 3: *Dissection: Abdominal Organs & Vessels* **Gross Lab**
15:00h					
16:00h					

for student group breakdowns see separate sheets

June 14, 2004

WEEK 9 — Excitable Membranes and Muscle Contraction

Week Chair: **Dr. S Kehl** *lectures are in LSC #1 except as noted*

TIME	MONDAY NOV. 1	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY NOV. 5
08:00h	Tutorial 1	Lecture: *Electrophysiology II* **Dr S Kehl**	Tutorial 2	Lecture: *Excitation-Contraction Coupling in Skeletal Muscle* **Dr E Moore**	Tutorial 3
09:00h		Laboratory: (Alternating with Thursday morning) *Histology of Muscle/ Electromyography* **Dr WK Ovalle, K Baimbridge** **Multi-Purpose Lab/ Physiology Dept.**		Laboratory: (Alternating with Tuesday morning) *Histology of Muscle/ Electromyography* **Drs WK Ovalle, K Baimbridge** **Multi-Purpose Lab/ Physiology Dept.**	
10:00h	Lecture: *The Histology and Ultrastructure of Muscle* **Dr WK Ovalle**		Lecture: *Electrophysiology III* **Dr B Mason**		Lecture: *Pharmacology of Neuromuscular Blocking Agents* **Dr S Schwarz**
11:00h	Lecture: *Electrophysiology I* **Dr B Mason**		Lecture: *Electrophysiology IV* **Dr D Mathers**		Case wrap up
12:00h	L U N C H				
13:00h	Dentistry 410	CS / FMPR (refer to schedules on MEDICOL for times & locations)	DPAS	CS / FMPR (refer to schedules on MEDICOL for times & locations)	Lecture: *Pelvis* **Dr C Krebs**
14:00h					Laboratory 3: *Pelvic Walls & Viscera* **Gross Lab**
15:00h					
16:00h					

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WEEK 10 — Neurotransmission and The Autonomic System

Week Chair: **Dr. K Baimbridge** *lectures are in LSC #1 except as noted*

TIME	MONDAY NOV. 8	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY NOV. 12
08:00h	Tutorial 1		Lecture: *Clinical aspects of autonomic pharmacology* **Dr D Goumeniouk**	REMEMBRANCE DAY	Tutorial 2
09:00h		Lecture: *Histology of nervous tissue* **Dr WK Ovalle**	Virtual Patient Presentation: *Autonomic nervous system failure* **Dr KG Baimbridge & Dr R Rangno**		
10:00h	Lecture: *Andrenergic receptors and their second messengers.* **Dr K Baimbridge**	Laboratory 1: *Nerve* **Dr WK Ovalle** **Multi-Purpose Lab**			Lecture: *Structure-Activity Relationships in Pharmacology* **Dr M Walker**
11:00h	Lecture: *Vascular Smooth Muscle* **Dr EDW Moore**				Case wrap up
12:00h	LUNCH				
13:00h	Dentistry 410	CS / FMPR (refer to schedules on MEDICOL for times & locations)	DPAS		Lecture: *Pelvis II* **Dr W Vogl / Dr C Krebs**
14:00h					Laboratory 2: *Pelvic walls* **Gross Lab**
15:00h					
16:00h					

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PRINCIPLES OF HUMAN BIOLOGY

PRIN-C • WEEK 11 — Pharmacokinetics and Pharmacodynamics

Week Chair: **Dr. AD Goumeniouk** *lectures are in LSC #1 except as noted*

TIME	MONDAY NOV. 15	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY NOV. 19
08:00h	Tutorial 1		Tutorial 2		Tutorial 3
09:00h				Lecture: *Drug-drug interactions* **Dr D Godin and Dr AD Goumeniouk**	
10:00h	Lecture (10–11:30): *Conceptual basis of drug dosing regimens* **Dr D Godin**	Lecture: *Conceptual basis of drug dosing regimens (cont'd) AND Pharmacological Implications of Aging* **Dr D Godin**	*Pharmacokinetics calculations workshop and General Pharmacokinetcs Review* **Dr D Godin**		Lecture: *Pharmacology of Herbal Medicines* **Dr Goumeniouk**
11:00h					Case wrap up
12:00h	L U N C H				
13:00h	Dentistry 410	CS / FMPR (refer to schedules on MEDICOL for times & locations)	DPAS	CS / FMPR (refer to schedules on MEDICOL for times & locations)	Lecture: *Head & Neck I, Cranial Nerves* **Dr W Vogl**
14:00h					Laboratory 1: *Cranial Cavity, Dura, Cranial Nerves* **Multipurpose Lab**
15:00h					
16:00h					

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WEEK 12 — Body Fluids

Week Chair: **Dr. K Kwok** *lectures are in LSC #1 except as noted*

TIME	MONDAY NOV. 22	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY NOV. 26
08:00h	Tutorial 1	Lecture: *Body fluids III* **Dr Copland**	Tutorial 2	Laboratory: *Fluid loading* **Dr K Kwok**	Tutorial 3
09:00h		Lecture: *Body fluids IV* **Dr K Kwok**			
10:00h	Lecture: *Body fluids I* **Dr K Kwok**	Laboratory: *Histology of the nephron* **Dr KE Pinder**	Lecture: *Body fluids V* **Dr S Singh**	Lecture: *Body fluids VI* **Dr S Singh**	Lecture: *Introduction to Therapeutics* **Dr S Schwarz**
11:00h	Lecture: *Body fluids II* **Dr K Kwok**				Case wrap up
12:00h	L U N C H				
13:00h	Dentistry 410	CS / FMPR (refer to schedules on MEDICOL for times & locations)	DPAS	CS / FMPR (refer to schedules on MEDICOL for times & locations)	Lecture: *Head & Neck II, Cranial Nerves V and VII* **Dr W Vogl**
14:00h					Laboratory 3: *Dissection: Face* **Gross Lab**
15:00h					
16:00h					

June 14, 2004

WEEK 13 — Inflammation

Week Chair: **Dr. B Walker**

lectures are in LSC #1 except as noted

TIME	MONDAY NOV. 29	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY DEC. 3
08:00h	Tutorial 1		Tutorial 2	Supplemental Lecture: [8-9.30am] *Early inflammatory response* **Dr B Walker**	Tutorial 3
09:00h		Lecture: *Introduction to specific immunity* **Dr B Walker**			
10:00h	Lecture: *Introduction to inflammation - acute inflammation* **Dr B Walker**	Laboratory 1: *Lymphoid System* **Dr JT Emerman** **Multi-Purpose Lab**		Lecture: *B cells I* **Dr B Walker**	
11:00h	Lecture: *Acute Inflammation II* **Dr B Walker**			Lecture: *B cells II* **Dr B Walker**	Case wrap up
12:00h	L U N C H				
13:00h	Dentistry 410	CS / FMPR (refer to schedules on MEDICOL for times & locations)	DPAS	CS / FMPR (refer to schedules on MEDICOL for times & locations)	Lecture: *Head & Neck III, Neck, Anterior Triangle* **Dr W Vogl**
14:00h					Laboratory 2: *Dissection: Anterior Triangle of the Neck* **Gross Lab**
15:00h					
16:00h					

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WEEK 14 — Immunity

Week Chair: **Dr. B. Walker** *lectures are in LSC #1 except as noted*

TIME	MONDAY DEC. 6	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY DEC. 10
08:00h	Tutorial 1		Tutorial 2		Tutorial 3
09:00h		Supplemental Lecture: [9-10.30am] *Acquired Immunity redux* **Dr B Walker**		Supplemental Lecture: [9-10.30am] *Q & A* **Dr B Walker**	
10:00h	Lecture: *T cells I* **Dr B Walker**				
11:00h	Lecture: *T cells II* **Dr B Walker**	Lecture: *Effector mechanisms in immune injury* **Dr B Walker**		Lecture: *Allergic Diseases* **Dr R Schellenberg**	Case wrap up
12:00h	L U N C H				
13:00h	Dentistry 410	CS / FMPR (refer to schedules on MEDICOL for times & locations)	DPAS	CS / FMPR (refer to schedules on MEDICOL for times & locations)	Lecture: *Head & Neck IV, Airway & Digestive Tract* **Dr W Vogl**
14:00h					Laboratory 1: *Pharynx, Choanae, Larynx* **Gross Lab**
15:00h					
16:00h					

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