

# REVISED

**Keck School of Medicine  
University of Southern California**

## **YEAR I SCHEDULE OF INSTRUCTION**

### Core Principles System I

**August 10-October 9, 2009**

LECTURE ROOM: Mayer Auditorium (KAM Building) *unless otherwise indicated*  
MULTIDISCIPLINARY LABS (MDL) McKibben 152, 153, 154, 157, 159 Bishop 104-A and 104-B  
Medical Student Education Website: <http://medweb.usc.edu>

SYSTEM CHAIR:

Joseph Miller, Ph.D.  
MCA 350  
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Evaluation for Core Principles I: Gross Practical and Written Exams = 100 % of grade
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Medical Student Education Website: <http://medweb.usc.edu>

Office for Curriculum, KAM Building Room 314, Phone 323-442-1763, FAX: 323-442-2318, E-MAIL: [curroff@usc.edu](mailto:curroff@usc.edu)

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## Orientation Week

## Week 1

	8/10/2009 Monday	8/11/2009 Tuesday	8/12/2009 Wednesday	8/13/2009 Thursday	8/14/2009 Friday	
8:00	<b>7:30 - 9:00</b> Registration, Keys, ID Badges, Curriculum Packets Photos, Parking	Lec. - HO Compartmental Organization of the Body: Fluid & Electrolyte Homeostasis Physiology (Phy) Dr. J. Youn	Lec. - HO Human Behavior (Psyc) 1 Dr. B. Spring Psyc-1 wc	Lec. - HO Human Behavior 3 Dr. B. Spring Psyc-3 wc	Lec. - Advising - C. Mahaffey/J. Kim P&T	
9:00	Lec. - Welcome - Dean Puliafito Drs. H. Ford, D. Elliott	SPP2,3      Phy-1 wc	Lec. - HO Human Behavior 2 Dr. B. Spring	Lec. - HO Ionic Equilibria; Resting Membrane Potentials Dr. R. Farley	Biostatistics 1: Sampling, Randomization and Data Description Preventive Medicine (PM) Dr. T. Alonzo SPP2,3      PM-1 wc	
9:30	Lec. - Financial Aid and Loan Counseling P. Moore		Lec. - Student Health	SPP2,3      Phy-2 wc		
10:30	Lec. - Curriculum Overview, Core Intro Drs. A. Abbott, P. Schaff, & J. Miller	Lec. - Honor Code Presentation Student Ethics Council, Dr. D. Peng	Lec. - Educational Support Services* D. Poole		Lec. - Campus Safety	Lec. - SPP Case 1: Session 2 Discussion, Wrap-up, Evaluation Dr. T. Woehrle wc
11:00	Lec. - SPP Cases: SPP Case 1 Dr. T. Woehrle	Lec. - Services, Policies, Evaluation/ MSP Intro/Learning Strategies Dr. J. Schechter		Lec. - ASSM / GPSS		Lec. - Student Presentation
12:00	Lunch Provided on Quad	Lec. - Medical Spanish Elective Info/Dr. R. Arias	Lec. - Orientation Evaluation * & Wrap-up/Dr. D. Elliott			
1:00	Lec. - Introduction to Professionalism and the Practice of Medicine (PPM) Sharing Our Stories Dr. Wallace	<i>TB Mask Fit &amp; Testing/ USC ID Badges Refer to Schedule in Orientation Packet</i>	**		<i>TB Mask Fit &amp; Testing/ USC ID Badges Refer to Schedule in Orientation Packet</i>	
2:00						
3:00	<i>TB Mask Fit &amp; Testing/ USC ID Badges Refer to Schedule in Orientation Packet</i>		Lec. - Placement Exam for Medical Spanish Exam	<i>TB Mask Fit &amp; Testing/ USC ID Badges Refer to Schedule in Orientation Packet</i>		
4:00			<b>4:00 - 6:00</b> Student Life Dinner			
5:00			<b>4:30 - 6:00</b> Dinner at the Dean's Home		<b>5:00 PM</b> White Coat Ceremony	

TB Mask Fit & Testing/USC ID Badges: Scheduled throughout weeks 1 and 2. Refer to schedule in orientation packet

\* Clickers needed for Audience Response System session. Available for purchase at HSC Bookstore.

\*\* Review buffers & amino acids before B-1(on 8/17/09).

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## Core Principles

## Week 2

	8/17/2009 Monday	8/18/2009 Tuesday	8/19/2009 Wednesday	8/20/2009 Thursday	8/21/2009 Friday
8:00	Lec. - SPP Case 2: Session 1 Cystic Fibrosis & Genetic Diseases Dr. T. Keens wc		NML - Information Resources Session C*	Lec. - CS&F Nucleus: Structure & Function Dr. S. Ying wc	Lec. - HO Membrane Transport Mechanisms Dr. R. Farley
8:30		Lec. - HO			
9:00	Lec. - CS&F Protein Structure & Function Biochem & Mol Biol (B) SPP2 Dr. D. Levy B-1 wc	Intro to Gross Anatomy (GA) and Dissection Dr. M. Snow GA-1 wc	NML - Information Resources Session D*	MDL - MA-Lab: Nucleus: Structure & Function	SPP2,3 Phy-3 wc
9:30					
10:00	Lec. - CS&F Intro to Microanatomy/ Dr. S. Ying wc Cells, Tissues, Organs Dr. J. Schechter	Lec. - CS&F Enzymes 1 Dr. D. Levy	Lec. - CS&F Enzymes 2 Dr. D. Levy		Lec. - P&T Biostatistics 2: Hypothesis Testing Dr. T. Alonzo
10:15					
11:00	SPP2 wc MDL Microanatomy Lab (MA): Introduction to Cells MA-1	B-2 wc Lec. - Student Wellness	SPP3 B-3 wc MDL - CS&F MA-Lab:** Membranes MA-2	SPP2 MA-3 Lec. - CS&F DNA Replication*** Dr. S. Reddy B-4 wc	SPP2,3 PM-2 wc
11:30					
12:00	Lunch Break				
1:00	PPM	NML - Information Resources Session A*	Lec. - HO Embryology (E) 1 Dr. H. Sucov E-1 wc	Lec. - CS&F Transcription**** Dr. M. Stallcup B-5 wc	Lec. - SPP Case 2: Session 2 Discussion Dr. T. Keens wc
2:00	Symbol & Ritual	NML - Information Resources Session B*	Lec. - <i>Proteins and Enzymes Problem Solving &amp; Review</i> Dr. D. Levy	Lec. - CS&F Control of Transcription Dr. M. Stallcup SPP7 B-6 wc	Lec. - HO Embryology 3 Dr. H. Sucov E-3 wc
3:00	<i>TB Mask Fit &amp; Testing/ USC ID Badges Refer to Schedule in Orientation Packet</i>	<i>TB Mask Fit &amp; Testing/ USC ID Badges Refer to Schedule in Orientation Packet</i>	<i>Medical Spanish Elective II Introducciones y la queja principal Dr. D. Zarazúa SI-1</i>	Lec. - HO Embryology 2 Dr. H. Sucov E-2 wc	
4:00	<i>Medical Spanish Elective I Saludos Dr. D. Zarazúa SI-1</i>				
5:00		<b>5:00 PM - REQUIRED</b> <b>Moved to:</b> <b>MAYER AUDITORIUM</b>  <b>Congressman Adam Schiff:</b> <b>Health Care Reform</b>  <i>Sponsored by Dean Puliafito and the Dean's Council on Health Reform</i>			

TB Mask Fit & Testing/USC ID Badges: Scheduled throughout weeks 1 and 2. Refer to schedule in orientation packet

\* Sessions A-D: Information Resources (E. Eandi)/MEDLINE (J. Brown): Students will be assigned to either Sessions A & B or C & D;  
Receive literature search project assignment part 1 (assignment due 8/24/09)

\*\* Complete MA-2 self-study and membrane handout before MA-2 (on 8/19/09).

\*\*\* Review nucleotides & nucleic acid structure before B-4.

\*\*\*\* Review basics of transcription before B-5.

**Medical Spanish Schedule will be confirmed at a later date- wc=webcast, wc will be updated**

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## Core Principles

## Week 3

	8/24/2009 Monday	8/25/2009 Tuesday	8/26/2009 Wednesday	8/27/2009 Thursday	8/28/2009 Friday
8:00	Lec. - CS&F		Lec. - HO	Lec. - CS&F	Lec. - HO
8:30	Protein Synthesis & Secretion	<b>Starts at 8:15</b>	Human Life Cycle 1 and 2	Cytoskeleton Dr. C. Lutzko	Spinal Cord and Nerves Dr. T. McNeill
9:00	Dr. S. Ying		Dr. E. Shoemaker	MA-5 wc	wc
9:30		ICM Introduction Mayer Auditorium	SPP2,3 Psyc-4 wc	Lec. - CS&F Endocytosis, Lysosomes, Trafficking	GA-Lab  Superficial Back  Gross Anatomy Lab (GA-Lab)
10:00	MDL -		Lec. - P&T	Dr. J. Schechter MA-6 wc	
10:30	MA Lab: Protein Synthesis & Secretion		Biostatistics 3: Correlation, Regression, Sample Size & Power	Lec. - HO Genetics: DNA Mutation & Repair	
11:00	SPP2 MA-4		Dr. T. Alonzo	SPP2,7 Dr. M. Mischen G-4 wc	
11:30	Lec. - CS&F RNA Processing Dr. I. Laird-Offringa	SPP1	SPP3 PM-3 wc	Lec. - HO Genetics: Genomic Medicine Dr. J. Hacia	GA-2
12:00					
1:00	PPM	Lec. - CS&F Translation Dr. I. Laird-Offringa	Lec. - <i>Microanatomy Review</i>	ICM  Medical Interview I Workshop  Groups 1-30 *	MDL - <i>Preventive Medicine Problem Solving &amp; Review Faculty</i>
2:00	The Physician's Role in Community/Public Health	SPP2 B-8 wc	Lec. - <i>Molecular Biology Problem Solving &amp; Review Faculty</i>		
3:00		Lec. - HO Genetics (G): Chromosomal Abnormalities	<i>Medical Spanish Elective II Historial de la enfermedad actual</i>		
4:00	<i>Medical Spanish Elective I ¿Cómo se llama? Dr. D. Zarazúa</i>	SPP2,3,7 G-2 wc	Dr. D. Zarazúa SII-2		
5:00	SI-2	Lec. - HO Genetics: Human Inheritance 2 Dr. P. Patel			
	SPP2 G-3 wc				

\* Take Blackboard Quiz for ICM Medical Interview II Workshop. Opens 8/27 @ 12:00 PM; Closes 9/3 @ 12:30 PM

\*\* Literature search project part 1 due on Monday, 8/24.

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## Core Principles

## Week 4

	8/31/2009 Monday	9/1/2009 Tuesday	9/2/2009 Wednesday	9/3/2009 Thursday	9/4/2009 Friday
8:00	Lec. - HO		Lec. - CS&F	Lec. - CS&F	Lec. - (in MCH 249) HO
8:30	Maintaining Homeostasis; Acid-Base Balance		Peroxisomes & Mitochondria Dr. R. Sadun MA-7a wc	Epithelium Dr. R. Wood SPP7 MA-9a wc	Vertebral Column Dr. M. Snow wc
9:00	Dr. J. Youn	ICM	Lec. - CS&F	Lec. - CS&F	GA-Lab  Deep Back & Spinal Cord
9:30	SPP3 Phy-4 wc		Cellular Differentiation Dr. R. Sadun SPP7 MA-8 wc	Cell-cell & Cell-matrix Interactions Dr. J. Schechter MA-10 wc	
10:00	Lec. - P&T		MDL - CS&F	MDL - CS&F	
10:30	Epidemiology 1: Measures of Disease Frequency, Rates, and Age Adjustment Dr. F. Schumacher		MA Lab*: Peroxisomes, Mitochondria and Organelle Review	MA-Lab: Epithelium	
11:30	SPP2,3,7 PM-4 wc		MA-7b	SPP7 MA-9b	GA-3
12:00	Lunch Break				
1:00	PPM	Lec. - HO	Lec. -	ICM  Medical Interview II Workshop  Groups 1-30 **	MDL -
2:00	Beginning Our Journey	Human Life Cycle 3 Dr. L. Gross SPP2,3 Psyc-5 wc	SPP Case 3: Session 1 Diabetes* Dr. A. Abbott wc		Preventive Medicine Problem Solving & Review Faculty
3:00		MDL - HO			
4:00		Human Life Cycle Psychiatry Faculty SPP2,3 Psyc-6			
4:00		Lec. - P&T			
5:00		Epidemiology 2: Risk Dr. F. Schumacher & Dr. J. Figueiredo SPP3,4 PM-5 wc			
		Lec. -		SPP1	
		Genetics Problem Solving & Review Dr. P. Patel wc			

\* Complete MA self-study on Introduction to tissues before MA-9a.

\*\* Take Blackboard Quiz for ICM Medical Interview II Workshop. Opens 8/27 @ 12:00 PM; Closes 9/3 @ 12:30 PM

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## Core Principles

## Week 5

	9/7/2009 Monday	9/8/2009 Tuesday	9/9/2009 Wednesday	9/10/2009 Thursday	9/11/2009 Friday		
8:00	LABOR DAY HOLIDAY	ICM		Lec. - P&T Epidemiology 4: Analytic Designs  Dr. J. Figueiredo	Lec. - (in MCH 249) HO Breast and Thoracoabdominal Wall Dr. M. Winfield wc		
8:30							
9:00					Lec. - CS&F Carbohydrate Metabolism 2 Dr. V. Kalra		GA-Lab
9:30					SPP3 B-10 wc	SPP3,4,7 PM-7 wc	Thoracoabdominal Wall
10:00					Lec. - CS&F Carbohydrate Metabolism 3 Dr. V. Kalra	Lec. - CS&F Bioenergetics & Ox. Metab. 1 Dr. R. Mosteller	
10:30					SPP3 B-11 wc	SPP3 B-12 wc	
11:00					Lec. - HO Macronutrients Dr. C. Koprowski	Lec. - HO Micronutrients Dr. C. Koprowski	
11:30			N-1 wc	SPP3,7 N-2 wc	SPP7 GA-5		
12:00							
1:00	LABOR DAY HOLIDAY	Lec. - HO Introduction to Imaging Dr. V. Marx SPP1,2,7 GA-4 wc	Lec. - SPP Case 3: Session 2 Discussion Dr. A. Abbott wc	GA-Lab Gross Anatomy Lab Review  Faculty			
2:00		Lec. - CS&F Carbohydrate Metabolism 1* Dr. V. Kalra SPP3 B-9 wc	Lec. - Microanatomy Review  Faculty				
3:00		Lec. - P&T Epidemiology 3: Introduction to Study Design SPP7 Dr. F. Schumacher PM-6 wc	Medical Spanish Elective II Historial médico del pasado Dr. D. Zarazúa Lec/Conv Lab 3-5 PM SII-3	**			
4:00			Medical Spanish Elective I Soy estudiante Dr. D. Zarazúa Lec/Conv Lab 4-6 PM SI-3				
5:00							

\* Review carbohydrate structure & basic glycolysis before B-9.

\*\* Take Blackboard Quiz for ICM The Difficult Doctor-Patient Relationship Workshop. Opens 9/10 @ 12:00 PM; Closes 9/17 @ 12:30 PM.

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## Core Principles

## Week 6

	9/14/2009 Monday	9/15/2009 Tuesday	9/16/2009 Wednesday	9/17/2009 Thursday	9/18/2009 Friday
8:00	Lec. - CS&F		Lec. - P&T	Lec. - CS&F	Lec. - HO
8:30	Connective Tissues 1		Pharmacology (Pharm): Drug Development, Evaluation & Control Dr. J. Miller Pharm-1 wc	Connective Tissues 2 Dr. S. Ying	Autonomic Nervous System 1 Dr. M. Snow
9:00	Dr. S. Ying		Lec. - P&T	MDL -	GA-Lab
9:30		ICM	Pharmacokinetic Principles Dr. J. Miller Pharm-2 wc	MA-Lab: Connective Tissues 2	Serous Cavities, Lungs
10:00	MDL -		Lec. - P&T		
10:30	MA-Lab: Connective Tissues 1		Epidemiology 5: Effect Analysis, Confounding & Bias	MA-12	
11:00			Dr. F. Schumacher SPP3,7 PM-8 wc	Lec. - HO	
11:30	MA-11			Nutrition Assessment Dr. C. Koprowski N-4 wc	GA-6
12:00	Lunch Break				
1:00	PPM	Lec. - CS&F		ICM  The Difficult Doctor-Patient Relationship Workshop  Groups 1-30 *	MDL - <i>Preventive Medicine Problem Solving &amp; Review</i>
2:00	Community Diagnosis	Bioenergetics & Ox. Metab. 2 Dr. R. Mosteller SPP3 B-13 wc	<b>1:30 PM</b>		<i>Faculty</i>
3:00		Lec. - HO	<i>PRACTICE EXAM &amp; FEEDBACK</i>		
4:00	<i>Medical Spanish Elective I Tengo 22 años Dr. D. Zarazúa Lec/Conv Lab 4-6 PM SI-4</i>	Endocrine Regulation; Transmembrane Signaling  Dr. H. Kaslow SPP3 Phy-5 wc			**
5:00			<i>Medical Spanish Elective II Historial familiar Dr. D. Zarazúa Lec/Conv Lab 4-6 PM SII-4</i>		

\* Take Blackboard Quiz for ICM The Difficult Doctor-Patient Relationship Workshop. Opens 9/10 @ 12:00 PM; Closes 9/17 @ 12:30 PM

\*\* Review lipid structure before B-14.

**Medical Spanish Schedule will be confirmed at a later date- wc=webcast, wc will be updated**

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## Core Principles

## Week 7

	9/21/2009 Monday	9/22/2009 Tuesday	9/23/2009 Wednesday	9/24/2009 Thursday	9/25/2009 Friday
8:00	Lec. - CS&F Muscle Dr. R. Wood		Lec. - HO Autonomic Nervous System 2 Dr. M. Snow	Lec. - CS&F Neural Tissue Dr. J. Schechter	Lec. - HO Heart Dr. G. Albrecht
8:30					
9:00	MDL - wc MA-Lab: Muscle		GA-Lab wc Superior Mediastinum & Root of Neck		GA-Lab wc Heart
9:30		ICM		MDL - wc MA-Lab: Neural Tissue	
10:00					
10:30	MA-13				
11:00	Lec. - CS&F Lipid Metabolism 1 Dr. R. Mosteller				
11:30	SPP3 B-14 wc		SPP2 GA-7	MA-14	GA-8
12:00					
1:00	PPM	Lec. - P&T Clinical Trials and Survival Analysis Dr. W. Mack	Lec. - CS&F Lipid Metabolism 2 Dr. R. Mosteller	GA-Lab GROSS ANATOMY PRACTICE PRACTICAL EXAM	Lec. - (in MCH 149) Metabolism Problem Solving & Review
2:00	Introduction to Ethical Principles in Health Care	SPP7 PM-9 wc	SPP3 B-15 wc Lec. - Microanatomy Review		Drs. Kalra & Mosteller
3:00		Lec. - P&T Pharmacodynamics: Drug-Receptor Interactions Dr. J. Miller Pharm-3 wc	Lec. - Microanatomy Faculty Medical Spanish Elective II Historical social – General Dr. D. Zarazúa Lec/Conv Lab 3-5 PM SII-5		
4:00	Medical Spanish Elective I ¿Habla Ud. español? Dr. D. Zarazúa Lec/Conv Lab 4-6 PM SI-5	Lec. - P&T Pharmacodynamics: Quantification of Drug Action Dr. J. Miller Pharm-4 wc			
5:00					

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## Core Principles

## Week 8

	9/28/2009 Monday	9/29/2009 Tuesday	9/30/2009 Wednesday	10/1/2009 Thursday	10/2/2009 Friday	
8:00				Lec. -	Lec. - <span style="float: right;">HO</span>	
8:30				<i>Biochem &amp; Molecular Biology Review</i>	Genetics: Inherited Defects of Energy Metabolism Dr. R. Boles <span style="float: right;">G-6 wc</span>	
9:00	Lec. - <span style="float: right;">P&amp;T</span> Drug Absorption, Distribution & Elimination Dr. J. Miller <span style="float: right;">Pharm-5 wc</span>	ICM	Lec. - <i>Pharmacology Review</i> Dr. J. Miller	<i>Faculty</i>	Lec. - <i>Nutrition Review</i> Dr. C. Koprowski	
9:30						
10:00	Lec. - <span style="float: right;">P&amp;T</span> Multiple Dosing & Drug Accumulation Dr. J. Miller <span style="float: right;">Pharm-6 wc</span>		Lec. - <span style="float: right;">CS&amp;F</span> Lipid Metabolism 3 Dr. R. Mosteller SPP3 <span style="float: right;">B-16 wc</span>	Lec. -	<i>Microanatomy Review</i>	MDL - <i>Preventive Medicine Problem Solving &amp; Review</i> <i>Faculty</i>
10:30						
11:00	Lec. - <span style="float: right;">HO</span> Energy Balance Dr. C. Koprowski SPP2,4 <span style="float: right;">N-5 wc</span>		Lec. - <span style="float: right;">P&amp;T</span> Principles of Screening Dr. M. Cockburn SPP3,7 <span style="float: right;">PM-10 wc</span>	<i>Faculty</i>	Lec. - <i>Preventive Medicine Review and Q &amp; A Session</i> Dr. F. Schumacher	
11:30						
12:00	Lunch Break					
1:00	MDL - <span style="float: right;">P&amp;T</span>  <i>Pharmacology Lab Cases &amp; Review</i>  <i>Faculty</i>	Lec. - <span style="float: right;">HO</span> Lymphatics Dr. G. Albrecht SPP7 <span style="float: right;">wc</span> GA-Lab	Lec. - <span style="float: right;">HO</span> Physiology Discussion Cases & Problems*  Drs. J. Youn, R. Farley & H. Kaslow SPP2,3 <span style="float: right;">Phy-6 wc</span>	Lec. - <i>Gross Anatomy Review Lecture</i>  Dr. M. Snow <span style="float: right;">wc</span> GA - Lab	Lec. - <i>Genetics Review</i> Drs. J. Hacia & P. Patel	
2:00						
3:00		Posterior Mediastinum	Epidemiology & Biostatistics: Case Example  Small Groups in MDLs Faculty SPP7 <span style="float: right;">PM-11</span>	<i>Gross Anatomy Lab Review</i>  <i>Faculty Available</i>		
4:00						
5:00						

\* Complete Physiology problems before Phy-6.

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## Core Principles

## Week 9

	10/5/2009 Monday	10/6/2009 Tuesday	10/7/2009 Wednesday	10/8/2009 Thursday	10/9/2009 Friday
8:00					
8:30					
9:00	<b>Cell / Tissue</b>	<b>Prevention &amp; Treatment</b>		<b>Human Organism</b>	<b>Gross Anatomy Practical</b>
9:30	<b>Structure &amp; Function</b>	<b>Exam</b>		<b>Exam</b>	<b>Exam</b>
10:00	<b>Exam</b>				<b>(Rotating Groups)</b>
10:30	<i>Exam schedule to be announced</i>	<i>Exam schedule to be announced</i>		<i>Exam schedule to be announced</i>	<i>Exam schedule to be announced</i>
11:00					
11:30					
12:00					
1:00					
2:00					<b>Gross Anatomy Practical</b>
3:00					<b>Exam</b>
4:00				*	<b>(Rotating Groups)</b>
5:00					<i>Exam schedule to be announced</i>

\* Take Blackboard Quiz for ICM Sexual History Workshop. Opens 10/8 @ 12:00 PM; Closes 10/15 @ 12:30 PM