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-  2010 – 2011 Legacy Course Catalog Addendum
-  Tempe, Arizona
-  [scnm.edu](http://scnm.edu)



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This document is an addendum to SCNM's 2010-2011 Course Catalog. The 2010-2011 Catalog Addendum is provided to current students who entered SCNM prior to Fall 2010. SCNM reserves the right to make changes set forth in this publication. SCNM will communicate those changes with reasonable notice to interested parties. While every effort is made to ensure the accuracy of the information available at the time the copy is prepared for this catalog, SCNM does not guarantee its accuracy. Students are responsible for understanding and complying with all policies and procedures contained in the most recent catalog and in other publications distributed by SCNM. A student's course of study is guided by the curriculum published in this addendum. Information, programs, and requirements are subject to change without notice at the discretion of the administration. SCNM reserves the right to change terms and conditions of this catalog at any time. This addendum is effective September 23, 2010.

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# 2010-2011 CATALOG ADDENDUM

## PURPOSE

The 2010-2011 Catalog Addendum applies to current students who entered SCNM prior to Fall 2010. Within the Addendum, students will find information pertinent to their successful completion of the program of study for the Doctor of Naturopathic Medicine Degree. The following information is included:

1. 2010-2011 Academic Calendar for students who entered SCNM prior to Fall 2010
2. Tuition and fee schedule
3. Programs of Study (POS) for each entering cohort of students
4. Course descriptions for the courses listed in the POS
5. Policies and procedures which supersede those in the 2010-2011 catalog.

# ACADEMIC CALENDAR

## 2010-2011 ACADEMIC CALENDAR

(for students who entered SCNM prior to Fall 2010)

### Legacy Curriculum

#### Fall Quarter 2010/2011

Sep 23 - 24 & 27 - 28	New Student Orientation
Sep 23 - 24	New Student Registration
Sep 30	Fall Classes Begin
Sept 30 - Oct 13	Add/Drop Didactic Courses ( <i>See p. 36 of the catalog</i> )
Oct. 28 - Nov 3	Midterms (week 5)
Nov 25 - 26	Thanksgiving Recess - College/MC Closed
Nov 29 - Dec 3	Winter Quarter Registration
Dec 2 - 8	Didactic Classes Study Week
Dec 2 - 22	Clinical Rotations Continue
Dec 9 - 15	Didactic Final Exams
Dec 16 - Jan 9	Student Recess - Didactic ONLY
Dec 19	Graduation Ceremony
Dec 22	End of Fall Quarter
Dec 23 - Jan 2	Student Recess
Jan 3 - 8	Break Week Rotations

#### Winter Quarter 2010/2011

Jan 4 - 7	New Student Orientation
Jan 4	New Student Registration
Jan 10	Winter Classes Begin
Jan 10 - 21	Add/Drop Didactic Courses ( <i>See p. 36 of the catalog</i> )
Jan 17	Martin Luther King - College/MC Closed
Feb 1 - 4	NPLEX Examinations
Feb 7 - 11	Midterms (week 5)
Mar 7 - 11	Spring Quarter Registration
Mar 14 - 19	Didactic Classes Study Week
Mar 14 - Apr 2	Clinical Rotations Continue
Mar 21 - 26	Didactic Final Exams
Mar 28 - Apr 17	Student Recess - Didactic ONLY
Apr 2	End of Winter Quarter
Apr 4 - 9	Break Wk1 Rotations
Apr 11 - 16	Break Wk2 Rotations

#### Spring Quarter 2010/2011

Apr 18	Spring Classes Begin
Apr 18 - 29	Add/Drop Didactic Courses ( <i>See p. 36 of the catalog</i> )
May 16 - 20	Midterms (week 5)
May 30	Memorial Day Recess – College/MC Closed
Jun 13 - 17	Summer Registration
Jul 4	Independence Day – College/MC Closed
Jun 20 - 25	Didactic Classes Study Week
Jun 20 - Jul 9	Clinical Rotations Continue
Jun 27 - Jul 2	Didactic Final Exams
Jul 3 - 24	Student Recess - Didactic ONLY
Jul 9	End of Spring Quarter
TBD	Graduation Ceremony
Jul 11 - 16	Break Wk1 Rotations
Jul 18 - 23	Break Wk2 Rotations

#### Summer Quarter 2010/2011

Jul 25	Summer Classes Begin
Jul 25 - Aug 5	Add/Drop Didactic Courses ( <i>See p. 36 of the catalog</i> )
Aug 2 - 5	NPLEX Examinations
Aug 15 - 20	Midterms (week 4)
Aug 22 - 26	Fall Quarter Registration
Sep 5	Labor Day Recess – College/MC Closed
Sep 12 - 17	Final Exams
Sep 17	End of Summer Quarter
Sep 18 - Oct 2	Student Recess - Didactic ONLY
Sep 19 - 24	Break Wk1 Rotations
Sep 26 - Oct 1	Break Wk2 Rotations

#### Fall Quarter 2011/2012

Sep 26 - 30	New Student Orientation
Sep 26 - 27	New Student Registration
Oct 3	Fall Classes Begin
Dec 22	End of Fall Quarter

#### NPLEX Examination Dates for 2011

Tuesday, February 1, 2011	Basic Science Exams
February 2 - 4, 2011	Clinical Science Exams
Tuesday, August 2, 2011	Basic Science Exams
August 3 - 5, 2011	Clinical Science Exams

# TUITION AND FEE SCHEDULE

The following fees and tuition apply to the 2010-2011 academic year only and are subject to change.

## **Admission Fees** (All admissions fees are non-refundable)

Admission Deposit	\$300
Deferral	\$100
International Student Application	\$90
New Student Application	\$65
Non-degree application	\$65
Re-application	\$65
Transfer Student Application	\$65

## **Tuition (ND) 2010-2011**

Per Credit	\$265
Elective tuition	\$265

## **Course Fees**

BOTM 680	\$30
Clinical Milestone Exam Fee (per exam)	\$115
Clinical quarterly lab fee	\$20
Directed Study fee (per course)	\$150 +Tuition
Minor Surgery (MSRG 810L)	\$40
NPLEX Basic Science review course	\$100
PSYC 870	\$50

## **Other Fees**

Advanced Standing Evaluation	\$300
Audience Response System Refundable Deposit	\$45
Challenge examination/competency assess	\$150
Clinical drop/add fee	\$50
Diploma replacement	\$50
Graduation fee	\$250
Late clinical paperwork fee	\$50
Late registration fee	\$100
Medical equipment fee (first quarter only)	\$815
Quarterly student government fee	\$25
Replacement ID card	\$5
Returned check fee	\$45
Special examination fee	\$150
Transfer fee per course < 300	\$75

In addition to tuition, students are required to pay other fees related to their enrollment at SCNM. Quarterly books and supplies will cost approximately \$1,000. Students may be required to purchase textbooks and other personal equipment, as needed for each course, as well as diagnostic equipment for use during clinical training.

Note to financial aid students: Financial aid will only be disbursed after verification of student's attendance in class or clerkship. After financial aid has been approved and applied to a student's account, any credit balance will be refunded to the student. Any amount unpaid after financial aid has been applied will be due and payable by the student. Students not receiving financial aid are expected to pay for all tuition and fees by the first day of class. Students must be final registered for classes in order to attend.

SCNM reserves the right to change tuition and fees at any time. A new tuition and fees schedule will be published when there are changes. No class may be attended without final registration for that class.

Students who have not paid their tuition in full by the first day of class will be dropped from class. They may be reinstated upon payment of tuition in full as outlined in Adding and Dropping Courses and Clinic Clerkships policy. Course credit will not be given until all tuition and fees are paid in full. Students may not be permitted to register for a quarter until all tuition and fees are paid in full for previous quarters.

# ACADEMIC PROGRAM

## PROGRAMS OF STUDY (POS)

The POS given below are labeled in two ways: (1) by the date a student entered SCNM, and (2) by the date a student will graduate. To determine the POS for students who are on special schedule, please contact the Academic Advising Specialist.

### STUDENTS ENTERING FALL 2007, GRADUATING SPRING 2011

<b>Quarter 13</b>		<b>Fall 2010</b>			
<b>Course #</b>	<b>Course Title</b>	<b>(Fall 07) Didactic Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>	
HME0 862	Advanced Case Management (INTENSIVE)	2			
MNGT 802	Business Practice Management III	3			
MSRG 890	Advanced Techniques in Minor Surgery/Lab	1	0.5		
CLSC 861	Rheumatology	2			
CLSC 881	Oncology	2			
GRND 864	Grand Rounds	2			
CLTR 850	Clinical Training (3 Rotations)	6			
		<b>18</b>	<b>0.5</b>	<b>18.5</b>	
<b>Quarter 14</b>		<b>Winter 2010-2011</b>			
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credits</b>	<b>Total Credits</b>	
BOTM 831	Bot Med Therapeutics – Developing Clinical Proficiency (INTENSIVE)	2			
GRND 884	Grand Rounds	2			
PSYC 850	Principles & Practice of Medical Psychology	3			
CLTR 880	Clinical Training (8 Rotations)	19.2			
		<b>26.2</b>		<b>26.2</b>	
<b>Quarter 15</b>		<b>Spring 2010-2011</b>			
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credits</b>	<b>Total Credits</b>	
PHMD 820**	Sports Medicine	4			
NTMD 880	Analysis and Integration of Naturopathic Philosophy & Practice (INTENSIVE)	2			
CSRV 800	Clinical Science Board Review	3			
CLTR 882	Clinical Training (8.5 Rotations)	20.4			
		<b>29.4</b>		<b>29.4</b>	
<b>Required for all students prior to graduation:</b>					
CLTR 600	Clinical Training (Break Rotations - 1 Rotations)	2			
		<b>2</b>		<b>2</b>	

# ACADEMIC PROGRAM

## STUDENTS ENTERING SPRING 2008, GRADUATING FALL 2011

<b>Quarter 11</b>		<b>Fall 2010-2011</b>		
<b>Course #</b>	<b>Course Title</b>	<b>(Spring 08) Didactic Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
NUTR 755	Creating Nutrition Based Protocols	2		
BOTM 817	Naturopathic Materia Medica, Pharmacognosy, & Therapeutics III	2		
HMEO 810	Patient Management and Case-Taking	2		
MSRG 810	Minor Surgery	2	0.5	
PHAR 780	Pharmacology & Pharmacotherapeutics III	3		
CLSC 763	Neurology	2		
CLSC 780	Endocrinology	3		
GRND 814	Grand Rounds	2		
OMND 865	Oriental Medicine-Case Management	2		
CLTR 780	Clinical Training (2 Rotations)	4.8		
		<b>24.8</b>	<b>0.5</b>	<b>25.3</b>
<b>Quarter 12</b>		<b>Winter 2010-2011</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
MNGT 800**	Practice Management I	1		
PSYC 830	Eating Disorders & Prescriptions in Addictive Behaviors	2		
PSYC 835**	Practicum in Mind-Body Healing	2		
CLSC 783	Urology (including Men's Health)	2		
CLSC 862	Geriatrics	2		
CLSC 831	Cardiology	2		
CLSC 832	Pulmonology	2		
CLSC 834	Gastroenterology	3		
GRND 834	Grand Rounds	2		
CLTR 830	Clinical Training (3 Rotations)	7.2		
		<b>25.2</b>		<b>25.2</b>
<b>Quarter 13</b>		<b>Spring 2010-2011</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
MNGT 801**	Business Practice Management II	2		
MSRG 890	Advanced Techniques in Minor Surgery/Lab	1	0.5	
CLSC 861	Rheumatology	2		
CLSC 881	Oncology	2		
PHMD 820**	Sports Medicine	4		
HMEO 862	Advanced Case Management (INTENSIVE)	2		
GRND 864	Grand Rounds	2		
CLTR 850	Clinical Training (5 Rotations)	12		
		<b>27</b>	<b>0.5</b>	<b>27.5</b>
<b>Quarter 14</b>		<b>Summer 2010-2011</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
MNGT 802	Business Practice Management III	3		
BOTM 831	Bot Med Therapeutics – Developing Clinical Proficiency (INTENSIVE)	2		
GRND 884	Grand Rounds	2		
PSYC 850	Principles & Practice of Medical Psychology	3		
CLTR 880	Clinical Training (6 Rotations)	9.6		
		<b>19.6</b>		<b>19.6</b>

# ACADEMIC PROGRAM

<b>Quarter 15</b>		<b>Fall 2011-2012</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
NTMD 880	Analysis and Integration of Naturopathic Philosophy & Practice (INTENSIVE)	2		
CSRV 800	Clinical Science Board Review	3		
CLTR 882	Clinical Training (8 Rotations)	19.2		
		<b>24.2</b>		<b>24.2</b>
<b>Required for all students prior to graduation:</b>				
CLTR 600	Clinical Training (Break Rotations - 2 Rotations)	4		
		<b>4</b>		<b>4</b>

## STUDENTS ENTERING FALL 2008, GRADUATING SPRING 2012

<b>Quarter 9</b>		<b>Fall 2010-2011</b>		
<b>Course #</b>	<b>Course Title</b>	<b>(Fall 08) Didactic Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
ERMD 740	Emergency Medicine I	2		
PHAR 700	Pharmacology & Pharmacotherapeutics I	4		
CLSC 764	Pediatrics	3		
CLSC 762	EENT	2		
CLSC 772	Gynecology	3		
ENVM 760	Basics of Environmental Medicine	2		
GRND 764	Grand Rounds	2		
OMND 735	Acupuncture Techniques/Lab	1	0.5	
HMEO 750	Homeopathic Materia Medica, Repertory, & Case Taking II	2		
CLTR 780	Clinical Training (2 Rotations)	4.8		
CLTR 660	Clinical Lab Post (5weeks) (P/F)	1		
CLTR 670	Clinical Medicinary Post (5weeks) (P/F)	1		
		<b>27.8</b>	<b>0.5</b>	<b>28.3</b>

<b>Quarter 10</b>		<b>Winter 2010-2011</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
PHAR 710	Pharmacology & Pharmacotherapeutics II	4		
OMND 815	Oriental Medicine-Case Analysis	2		
HMEO 770	Homeopathic Materia Medica, Repertory, & Case-Taking III	3		
CLSC 771	Obstetrics	3		
CLSC 812	Dermatology	2		
CLSC 863	Viral Disorders/HIV	2		
GRND 784	Grand Rounds	2		
ERMD 760	Emergency Medicine II	3		
MNGT 800**	Practice Management I	1		
PSYC 835**	Practicum in Mind-Body Healing	2		
CLTR 780	Clinical Training (2 Rotations)	4.8		
		<b>28.8</b>		<b>28.8</b>

# ACADEMIC PROGRAM

## Quarter 11

### Spring 2010-2011

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
MNGT 801**	Business Practice Management II	2		
NUTR 755	Creating Nutrition Based Protocols for Patients	2		
BOTM 817	Naturopathic Materia Medica, Pharmacognosy, & Therapeutics III	2		
HMEO 810	Patient Management and Case-Taking	2		
MSRG 810	Minor Surgery	2	0.5	
PHAR 780	Pharmacology & Pharmacotherapeutics III	3		
CLSC 763	Neurology	2		
CLSC 780	Endocrinology	3		
GRND 814	Grand Rounds	2		
OMND 865	Oriental Medicine-Case Management	2		
CLTR 780	Clinical Training (2 Rotations)	4.8		
		<b>26.8</b>	<b>0.5</b>	<b>27.3</b>

## Quarter 12

### Summer 2010-2011

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
PSYC 830	Eating Disorders & Prescriptions in Addictive Behaviors	2		
MNGT 802	Business Practice Management III	3		
CLSC 783	Urology (including Men's Health)	2		
CLSC 862	Geriatrics	2		
CLSC 831	Cardiology	2		
CLSC 832	Pulmonology	2		
CLSC 834	Gastroenterology	3		
GRND 834	Grand Rounds	2		
CLTR 830	Clinical Training (2 Rotations)	3.2		
		<b>21.2</b>		<b>21.2</b>

## Quarter 13

### Fall 2011-2012

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
PHMD 820**	Sports Medicine	4		
HMEO 862	Advanced Case Management (INTENSIVE)	2		
MSRG 890	Advanced Techniques in Minor Surgery/Lab	1	0.5	
CLSC 861	Rheumatology	2		
CLSC 881	Oncology	2		
GRND 864	Grand Rounds	2		
CLTR 850	Clinical Training (4 Rotations)	9.6		
		<b>22.6</b>	<b>0.5</b>	<b>23.1</b>

## Quarter 14

### Winter 2011-2012

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
BOTM 831	Bot Med Therapeutics – Developing Clinical Proficiency (INTENSIVE)	2		
GRND 884	Grand Rounds	2		
PSYC 850	Principles & Practice of Medical Psychology	3		
CLTR 880	Clinical Training (6 Rotations)	14.4		
		<b>21.4</b>		<b>21.4</b>

# ACADEMIC PROGRAM

## Quarter 15 Spring 2011-2012

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
NTMD 880	Analysis and Integration of Naturopathic Philosophy & Practice (INTENSIVE)	2		
CSRV 800	Clinical Science Board Review	3		
CLTR 882	Clinical Training (8 Rotations)	19.2		
		<b>24.2</b>		<b>24.2</b>

### Required for all students prior to graduation:

CLTR 600	Clinical Training (Break Rotations - 2 Rotations)	4		
		<b>4</b>		<b>4</b>

## STUDENTS ENTERING SPRING 2009, GRADUATING FALL 2012

### Quarter 7 Fall 2010-2011

Course #	Course Title	(Spring 09) Didactic Credits	Lab Credit	Total Credits
BOTM 744	Naturo Materia Medica, Pharmacognosy, & Therapeutics II	2		
CACR 710	Clinical Assessment & Case Review II	6		
HMEO 730	Homeo Materia Medica, Repertory, & Case Taking I	3		
RDDX 710	Diagnostic Techniques & Assessment II	2		
PHDX 710	Physical Assessment II/Lab	2	1	
LBDX 710	Assessment of Laboratory Techniques II	2		
NUTR 740	Nutritional Disease Protocols	3		
OMND 710	Meridians & Points II/Lab	2	0.5	
PATH 710	Organ Systems & Disease II	4		
		<b>26</b>	<b>1.5</b>	<b>27.5</b>

### Quarter 8 Winter 2010-2011

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
CACR 730	Clinical Assessment/Case Review III	6		
RDDX 730	Diagnostic Techniques & Assessment III	2		
PHDX 730	Physical Assessment III/Lab	2	1	
LBDX 730**	Assessment of Lab Techniques III	2		
CTNG 740	Clinical Entry Assessment	2		
OMND 725	Traditional Chinese Medicine Pathology	4		
CLLP 711**	Clinical Lab Procedures II/Lab	1	0.5	
PHAR 700**	Pharmacology & Pharmacotherapeutics I	4		
		<b>23</b>	<b>1.5</b>	<b>24.5</b>

### Quarter 9 Spring 2010-2011

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
ERMD 740	Emergency Medicine I	2		
CLSC 764	Pediatrics	3		
CLSC 762	EENT	2		
CLSC 772	Gynecology	3		
ENVM 760	Basics of Environmental Medicine	2		
GRND 764	Grand Rounds	2		
OMND 735	Acupuncture Techniques/Lab	1	0.5	
HMEO 750	Homeopathic Materia Medica, Repertory, & Case Taking II	2		
PHAR 710	Pharmacology & Pharmacotherapeutics II	4		
CLTR 760	Clinical Training (2 Rotations)	4.8		
CLTR 660	Clinical Lab Post (5weeks) (P/F)	1		
CLTR 670	Clinical Medicinary Post (5weeks) (P/F)	1		
		<b>27.8</b>	<b>0.5</b>	<b>28.3</b>

# ACADEMIC PROGRAM

## Quarter 10

### Summer 2010-2011

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
OMND 815	Oriental Medicine-Case Analysis	2		
HMEO 770	Homeopathic Materia Medica, Repertory, & Case-Taking III	3		
PHAR 780	Pharmacology & Pharmacotherapeutics III	3		
CLSC 771	Obstetrics	3		
CLSC 812	Dermatology	2		
CLSC 863	Viral Disorders/HIV	2		
GRND 784	Grand Rounds	2		
ERMD 760	Emergency Medicine II	3		
CLTR 780	Clinical Training (2 Rotations)	3.2		
		<b>23.2</b>		<b>23.2</b>

## Quarter 11

### Fall 2011-2012

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
MNGT 800**	Practice Management I	1		
NUTR 755	Creating Nutrition Based Protocols for Patients	2		
BOTM 817	Naturopathic Materia Medica, Pharmacognosy, & Therapeutics III	2		
HMEO 810	Patient Management and Case-Taking	2		
MSRG 810	Minor Surgery	2	0.5	
CLSC 763	Neurology	2		
CLSC 780	Endocrinology	3		
GRND 814	Grand Rounds	2		
OMND 865	Oriental Medicine-Case Management	2		
CLTR 780	Clinical Training (3 Rotations)	7.2		
		<b>25.2</b>	<b>0.5</b>	<b>25.7</b>

## Quarter 12

### Winter 2011-2012

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
PSYC 830	Eating Disorders & Prescriptions in Addictive Behaviors	2		
MNGT 801**	Business Practice Management II	2		
PSYC 835**	Practicum in Mind-Body Healing	2		
CLSC 831	Cardiology	2		
CLSC 832	Pulmonology	2		
CLSC 834	Gastroenterology	3		
GRND 834	Grand Rounds	2		
CLSC 783	Urology (including Men's Health)	2		
CLSC 862	Geriatrics	2		
CLTR 830	Clinical Training (3 Rotations)	7.2		
		<b>26.2</b>		<b>26.2</b>

## Quarter 13

### Spring 2011-2012

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
PHMD 820**	Sports Medicine	4		
HMEO 862	Advanced Case Management (INTENSIVE)	2		
MNGT 802	Business Practice Management III	3		
MSRG 890	Advanced Techniques in Minor Surgery/Lab	1	0.5	
CLSC 861	Rheumatology	2		
CLSC 881	Oncology	2		
GRND 864	Grand Rounds	2		
CLTR 850	Clinical Training (4 Rotations)	9.6		
		<b>25.6</b>	<b>0.5</b>	<b>26.1</b>

# ACADEMIC PROGRAM

<b>Quarter 14</b>		<b>Summer 2011-2012</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
BOTM 831	Bot Med Therapeutics – Developing Clinical Proficiency (INTENSIVE)	2		
GRND 884	Grand Rounds	2		
PSYC 850	Principles & Practice of Medical Psychology	3		
CLTR 880	Clinical Training (6 Rotations)	9.6		
		<b>16.6</b>		<b>16.6</b>

<b>Quarter 15</b>		<b>Fall 2012-2013</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
NTMD 880	Analysis and Integration of Naturopathic Philosophy & Practice (INTENSIVE)	2		
CSRV 800	Clinical Science Board Review	3		
CLTR 882	Clinical Training (8 Rotations)	19.2		
		<b>24.2</b>		<b>24.2</b>

**Required for all students prior to graduation:**

CLTR 600	Clinical Training (Break Rotations - 2 Rotations)	4		
		<b>4</b>		<b>4</b>

## STUDENTS ENTERING FALL 2009, GRADUATING SPRING 2013

<b>Quarter 5</b>		<b>Fall 2010-2011</b>		
<b>Course #</b>	<b>Course Title</b>	<b>(Fall 09) Didactic Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
PATH 625	Pathophysiology & Disease Process	4		
CLLP 651	Clinical Lab Procedures/Lab I	1	0.5	
ENVM 700	Environmental Medicine/Toxicology	2		
OMND 610	Traditional Chinese Medicine Diagnosis	3		
BOTM 680	Pharmacy of Botanical Medicine	2		
BOTM 700	Pharmacognosy & Phytochemistry (INTENSIVE)	3		
PHMD 740	NMT Assessment & Application I/Lab	2	1	
ENVM 660	Depuration Techniques	1	1	
NUTR 670	Micronutrients, Enzymes and Accessory Nutrients	3		
HMEO 730	Homeo Materia Medica, Repertory, & Case Taking I	3		
		<b>24</b>	<b>2.5</b>	<b>26.5</b>

<b>Quarter 6</b>		<b>Winter 2010-2011</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
PATH 635	Organ Systems & Disease I	4		
PHDX 650	Physical Assessment I/Lab	2	1	
LBDX 650	Assessment of Laboratory Techniques I	2		
RDDX 650	Diagnostic Techniques & Assessment I	2		
CACR 650	Clinical Assessment & Case Review I	6		
OMND 705	Meridians & Points I	2	0.5	
BOTM 743	Naturop Materia Medica, Pharmacognosy & Therapeutics I	2		
CLLP 711**	Clinical Lab Procedures II/Lab	1	0.5	
LBDX 730**	Assessment of Lab Techniques III	2		
PHAR 700**	Pharmacology & Pharmacotherapeutics I	4		
		<b>27</b>	<b>2</b>	<b>29</b>

# ACADEMIC PROGRAM

## Quarter 7

### Spring 2010-2011

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
PHMD 735**	Physiotherapy Modalities/Lab	1	0.5	
BOTM 744	Naturo Materia Medica, Pharmacognosy, & Therapeutics II	2		
CACR 710	Clinical Assessment & Case Review II	6		
RDDX 710	Diagnostic Techniques & Assessment II	2		
PHDX 710	Physical Assessment II/Lab	2	1	
LBDX 710	Assessment of Laboratory Techniques II	2		
OMND 710	Meridians & Points II/Lab	2	0.5	
PATH 710	Organ Systems & Disease II	4		
PHAR 710	Pharmacology & Pharmacotherapeutics II	4		
		<b>25</b>	<b>2</b>	<b>27</b>

## Quarter 8

### Summer 2010-2011

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
CACR 730	Clinical Assessment/Case Review III	6		
RDDX 730	Diagnostic Techniques & Assessment III	2		
PHDX 730	Physical Assessment III/Lab	2	1	
CTNG 740	Clinical Entry Assessment	2		
OMND 725	Traditional Chinese Medicine Pathology	4		
PHAR 780	Pharmacology & Pharmacotherapeutics III	3		
PHMD 770	NMT Assessment & Application II	2	1	
		<b>21</b>	<b>2</b>	<b>23</b>

## Quarter 9

### Fall 2011-2012

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
ENVM 760	Basics of Environmental Medicine	2		
ERMD 740	Emergency Medicine I	2		
OMND 735	Acupuncture Techniques/Lab	1	0.5	
CLSC 764	Pediatrics	3		
CLSC 762	EENT	2		
CLSC 772	Gynecology	3		
GRND 764	Grand Rounds	2		
CLTR 760	Clinical Training (2 Rotations)	4.8		
CLTR 660	Clinical Lab Post (5weeks) (P/F)	1		
CLTR 670	Clinical Medicinary Post (5weeks) (P/F)	1		
		<b>21.8</b>	<b>0.5</b>	<b>22.3</b>

## Quarter 10

### Winter 2011-2012

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
CLSC 771	Obstetrics	3		
CLSC 863	Viral Disorders/HIV	2		
GRND 784	Grand Rounds	2		
OMND 815	Oriental Medicine-Case Analysis	2		
ERMD 760	Emergency Medicine II	3		
CLSC 812	Dermatology	2		
NUTR 740	Nutritional Disease Protocols	3		
HMEO 750	Homeopathic Materia Medica, Repertory, & Case Taking II	2		
CLTR 780	Clinical Training (2 Rotations)	4.8		
		<b>23.8</b>		<b>23.8</b>

# ACADEMIC PROGRAM

<b>Quarter 11</b>		<b>Spring 2011-2012</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
MNGT 800**	Practice Management I	1		
NUTR 755	Creating Nutrition Based Protocols for Patients	2		
MSRG 810	Minor Surgery	2	0.5	
CLSC 763	Neurology	2		
CLSC 780	Endocrinology	3		
GRND 814	Grand Rounds	2		
OMND 865	Oriental Medicine-Case Management	2		
HMEO 770	Homeopathic Materia Medica, Repertory, & Case-Taking III	3		
CLTR 780	Clinical Training (2 Rotations)	4.8		
		<b>21.8</b>	<b>0.5</b>	<b>22.3</b>

<b>Quarter 12</b>		<b>Summer 2011-2012</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
PSYC 830	Eating Disorders & Prescriptions in Addictive Behaviors	2		
MNGT 801**	Business Practice Management II	2		
PSYC 835**	Practicum in Mind-Body Healing	2		
CLSC 831	Cardiology	2		
CLSC 832	Pulmonology	2		
CLSC 834	Gastroenterology	3		
GRND 834	Grand Rounds	2		
CLSC 783	Urology (including Men's Health)	2		
CLSC 862	Geriatrics	2		
CLTR 830	Clinical Training (2 Rotations)	3.2		
		<b>22.2</b>		<b>22.2</b>

<b>Quarter 13</b>		<b>Fall 2012-2013</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
PHMD 820**	Sports Medicine	4		
HMEO 862	Advanced Case Management (INTENSIVE)	2		
MNGT 802	Business Practice Management III	3		
MSRG 890	Advanced Techniques in Minor Surgery/Lab	1	0.5	
CLSC 861	Rheumatology	2		
CLSC 881	Oncology	2		
GRND 864	Grand Rounds	2		
BOTM 817	Naturopathic Materia Medica, Pharmacognosy, & Therapeutics III	2		
HMEO 810	Patient Management and Case-Taking	2		
CLTR 850	Clinical Training (3 Rotations)	7.2		
		<b>27.2</b>	<b>0.5</b>	<b>27.7</b>

<b>Quarter 14</b>		<b>Winter 2012-2013</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
BOTM 831	Bot Med Therapeutics – Developing Clinical Proficiency (INTENSIVE)	2		
GRND 884	Grand Rounds	2		
PSYC 850	Principles & Practice of Medical Psychology	3		
CLTR 880	Clinical Training (7 Rotations)	16.8		
		<b>23.8</b>		<b>23.8</b>

# ACADEMIC PROGRAM

## Quarter 15 Spring 2012-2013

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
NTMD 880	Analysis and Integration of Naturopathic Philosophy & Practice (INTENSIVE)	2		
CSRV 800	Clinical Science Board Review	3		
CLTR 882	Clinical Training (8 Rotations)	19.2		
		<b>24.2</b>		<b>24.2</b>

### Required for all students prior to graduation:

CLTR 600	Clinical Training (Break Rotations - 2 Rotations)	4		
		<b>4</b>		<b>4</b>

## STUDENTS ENTERING SPRING 2010, GRADUATING SPRING 2013

### Quarter 3 Fall 2010-2011

Course #	Course Title	(Spring 10) Didactic Credits	Lab Credit	Total Credits
ANAT 627	Neuroanatomy/Lab	6.5	1	
MGEN 607	Medical Genetics	2		
MICR 605	Microbiology & Immunology/Lab	3	1	
PHYS 610	Cell Function & Organ Systems II/Lab	4	0.5	
PHYS 612	Endocrinology	4		
PHMD 605	Touch as Treatment/Lab	1	0.5	
CLLP 651	Clinical Lab Procedures/Lab I	1	0.5	
NUTR 670	Micronutrients, Enzymes and Accessory Nutrients	3		
BOTM 680	Pharmacy of Botanical Medicine	2		
		<b>26.5</b>	<b>3.5</b>	<b>30</b>

### Quarter 4 Winter 2010-2011

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
RSCH 610	Basic Concepts in Research I	2		
CLLP 711**	Clinical Lab Procedures II/Lab	1	0.5	
PHMD 615	Principles of Hydrotherapy/Lab	1	0.5	
MICR 610	Microbiology & Immunology II	3		
PSYC 660	Fundamentals of Mind-Body Medicine	2		
OMND 600	Theory & Fundamentals of Oriental Medicine	3		
PUBH 620	Epidemiology/Public Health	3		
PHYS 615	Cell Function & Organ Systems III/Lab	4	0.5	
PHMD 710	Introduction to Physical Medicine and Orthopedics/Lab	1	0.5	
NUTR 650	Macronutrients and Specialized Diets	2		
		<b>22</b>	<b>2</b>	<b>24</b>

### Quarter 5 Spring 2010-2011

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
JURI 720	Jurisprudence	2		
RSCH 620	Basic Concepts in Research II	2		
ETHC 760	Medical Ethics	2		
PATH 625	Pathophysiology & Disease Process	4		
PHMD 735**	Physiotherapy Modalities/Lab	1	0.5	
ENVM 700	Environmental Medicine/Toxicology	2		
OMND 610	Traditional Chinese Medicine Diagnosis	3		
BOTM 700	Pharmacognosy & Phytochemistry (INTENSIVE)	3		
PHMD 740	NMT Assessment & Application I/Lab	2	1	
ENVM 660	Depuration Techniques	1	1	
		<b>24</b>	<b>2.5</b>	<b>26.5</b>

# ACADEMIC PROGRAM

<b>Quarter 6</b>		<b>Summer 2010-2011</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
PATH 635	Organ Systems & Disease I	4		
PHDX 650	Physical Assessment I/Lab	2	1	
LBDX 650	Assessment of Laboratory Techniques I	2		
RDDX 650	Diagnostic Techniques & Assessment I	2		
CACR 650	Clinical Assessment & Case Review I	6		
OMND 705	Meridians & Points I	2	0.5	
PHMD 770	NMT Assessment & Application II	2	1	
BOTM 743	Naturop Materia Medica, Pharmacognosy & Therapeutics I	2		
		<b>22</b>	<b>2.5</b>	<b>24.5</b>
<b>Quarter 7</b>		<b>Fall 2011-2012</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
BOTM 744	Naturo Materia Medica, Pharmacognosy, & Therapeutics II	2		
RDDX 710	Diagnostic Techniques & Assessment II	2		
CACR 710	Clinical Assessment & Case Review II	6		
PHDX 710	Physical Assessment II/Lab	2	1	
LBDX 710	Assessment of Laboratory Techniques II	2		
PATH 710	Organ Systems & Disease II	4		
NUTR 740	Nutritional Disease Protocols	3		
OMND 710	Meridians & Points II/Lab	2	0.5	
		<b>23</b>	<b>1.5</b>	<b>24.5</b>
<b>Quarter 8</b>		<b>Winter 2011-2012</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
HMEO 730**	Homeo Materia Medica, Repertory, & Case Taking I	3		
RDDX 730	Diagnostic Techniques & Assessment III	2		
CACR 730	Clinical Assessment/Case Review III	6		
PHDX 730	Physical Assessment III/Lab	2	1	
LBDX 730**	Assessment of Lab Techniques III	2		
CTNG 740	Clinical Entry Assessment	2		
OMND 725	Traditional Chinese Medicine Pathology	4		
		<b>21</b>	<b>1</b>	<b>22</b>
<b>Quarter 9</b>		<b>Spring 2011-2012</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Didactic/ Clinical Credits</b>	<b>Lab Credit</b>	<b>Total Credits</b>
PHAR 700**	Pharmacology & Pharmacotherapeutics I	4		
ENVM 760	Basics of Environmental Medicine	2		
HMEO 750	Homeopathic Materia Medica, Repertory, & Case Taking II	2		
ERMD 740	Emergency Medicine I	2		
OMND 735	Acupuncture Techniques/Lab	1	0.5	
CLSC 764	Pediatrics	3		
CLSC 762	EENT	2		
CLSC 772	Gynecology	3		
GRND 764	Grand Rounds	2		
CLTR 760	Clinical Training (2 Rotations)	4.8		
CLTR 660	Clinical Lab Post (5weeks) (P/F)	1		
CLTR 670	Clinical Medicinary Post (5weeks) (P/F)	1		
		<b>27.8</b>	<b>0.5</b>	<b>28.3</b>

# ACADEMIC PROGRAM

## Quarter 10

### Summer 2011-2012

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
PHAR 710	Pharmacology & Pharmacotherapeutics II	4		
CLSC 771	Obstetrics	3		
CLSC 863	Viral Disorders/HIV	2		
GRND 784	Grand Rounds	2		
OMND 815	Oriental Medicine-Case Analysis	2		
HMEO 770	Homeopathic Materia Medica, Repertory, & Case-Taking III	3		
ERMD 760	Emergency Medicine II	3		
CLSC 812	Dermatology	2		
CLTR 780	Clinical Training (2 Rotations)	3.2		
		<b>24.2</b>		<b>24.2</b>

## Quarter 11

### Fall 2012-2013

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
MNGT 800**	Practice Management I	1		
PHAR 780	Pharmacology & Pharmacotherapeutics III	3		
NUTR 755	Creating Nutrition Based Protocols for Patients	2		
BOTM 817	Naturopathic Materia Medica, Pharmacognosy, & Therapeutics III	2		
HMEO 810	Patient Management and Case-Taking	2		
MSRG 810	Minor Surgery	2	0.5	
CLSC 763	Neurology	2		
CLSC 780	Endocrinology	3		
GRND 814	Grand Rounds	2		
OMND 865	Oriental Medicine-Case Management	2		
CLTR 780	Clinical Training (2 Rotations)	4.8		
		<b>25.8</b>	<b>0.5</b>	<b>26.3</b>

## Quarter 12

### Winter 2012-2013

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
PSYC 830	Eating Disorders & Prescriptions in Addictive Behaviors	2		
MNGT 801**	Business Practice Management II	2		
PSYC 835**	Practicum in Mind-Body Healing	2		
CLSC 831	Cardiology	2		
CLSC 832	Pulmonology	2		
CLSC 834	Gastroenterology	3		
GRND 834	Grand Rounds	2		
CLSC 783	Urology (including Men's Health)	2		
CLSC 862	Geriatrics	2		
CLTR 830	Clinical Training (3 Rotations)	7.2		
	<b>Total Credits</b>	<b>26.2</b>		<b>26.2</b>

## Quarter 13

### Spring 2012-2013

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
PHMD 820**	Sports Medicine	4		
HMEO 862	Advanced Case Management (INTENSIVE)	2		
MNGT 802	Business Practice Management III	3		
MSRG 890	Advanced Techniques in Minor Surgery/Lab	1	0.5	
CLSC 861	Rheumatology	2		
CLSC 881	Oncology	2		
GRND 864	Grand Rounds	2		
CLTR 850	Clinical Training (4 Rotations)	9.6		
		<b>25.6</b>	<b>0.5</b>	<b>26.1</b>

# ACADEMIC PROGRAM

## Quarter 14

### Summer 2012-2013

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
BOTM 831	Bot Med Therapeutics – Developing Clinical Proficiency (INTENSIVE)	2		
GRND 884	Grand Rounds	2		
PSYC 850	Principles & Practice of Medical Psychology	3		
CLTR 880	Clinical Training (6 Rotations)	9.6		
		<b>16.6</b>		<b>16.6</b>

## Quarter 15

### Fall 2013-2014

Course #	Course Title	Didactic/ Clinical Credits	Lab Credit	Total Credits
NTMD 880	Analysis and Integration of Naturopathic Philosophy & Practice (INTENSIVE)	2		
CSRV 800	Clinical Science Board Review	3		
CLTR 882	Clinical Training (9 Rotations)	21.6		
		<b>26.6</b>		<b>Total Credits 26.6</b>

### Required for all students prior to graduation:

CLTR 600	Clinical Training (Break Rotations - 2 Rotations)	4		
		<b>4</b>		<b>4</b>

**\*\*Offered Summer II 2009-2010**

# ACADEMIC DEPARTMENTS AND COURSE DESCRIPTIONS

## DEPARTMENT OF BASIC MEDICAL SCIENCES

**Department Chair: Richard Laherty, PhD**

The department of basic medical sciences provides in-depth study of the principles and concepts relative to the structure and functions of the human body. Courses include anatomy, embryology, biochemistry, microbiology, physiology, pathology, and pharmacology. Emphasis is placed on studying both the human systems used to maintain health and the transitional pathophysiological processes that contribute to maintaining life. Naturopathic medicine works with the factors affecting health to reinstate healthful balance. This comprehensive study creates a foundation for the naturopathic physician to recognize varying stages of disease as well as examine the body mechanisms used to regain health. Students are required to participate in the dissection of formaldehyde/methanol-preserved cadavers in anatomy laboratories.

Emphasis throughout the basic sciences is on understanding the material through case-based clinical scenarios and examination questions. This approach helps the student to understand the clinical applicability of basic information and how this information is used to solve clinical problems.

### **MICR 610 Microbiology and Immunology II (Lecture 3 credits)**

In this course students identify and examine other microorganisms that are associated with human disease. This includes evaluation of virulence factors, modes of transmission, epidemiology, and general pathology of viruses, parasites, and fungi and the human immune defense against them. Prerequisites: MICR 605, MGEN 607

### **PATH 625 Pathophysiology and Disease Process (Lecture 4 credits)**

This first of a three-course sequence examines the progression of normal tissue function to abnormal states. The study of disease is emphasized by understanding the pathophysiological processes that act on healthy tissue when the body is not effective in adapting to biological stress. The study of the disease process involving each organ system is included, as well as cell injury, inflammation, necrosis, neoplasm, and repair. Prerequisites: PHYS 605, PHYS 610, PHYS 612, PHYS 615, ANAT 610, and MICR 605

### **PATH 635 Organ Systems and Disease I (Lecture 4 credits)**

This second course of three in pathology introduces general principles and pathophysiology of disease and introduces diseases of selected organ systems including cardiovascular, hematologic, pulmonary, and gastrointestinal systems. Clinicopathologic correlations and visual aids, including illustrations of gross and microscopic examples of disease, are utilized extensively. Prerequisite: PATH 625

### **PATH 710 Organ Systems and Disease II (Lecture 4 credits)**

This third of three pathology courses continues the focus on organ system disease. General pathologic principles and mechanisms of injury, inflammation, infection, repair, genetics, and neoplasia are applied to understanding the nature of organs and specific patterns of disease involving renal, genito-urinary, endocrine, skeletal muscular, and nervous systems. Clinicopathologic and microscopic examples of disease are utilized extensively. Prerequisite: PATH 635, ANAT 627

### **PHAR 700 Pharmacology and Pharmacotherapeutics I (Lecture 4 credits)**

This course focuses on the principles and mechanisms of drug action and the purpose of pharmaceutical interventions. Emphasis is placed on drugs that act on neurotransmitter systems, including adrenergics, cholinergics, anticholinergics, psychotropics, anti-Parkinson's, dopaminergics, benzodiazepines, and drugs of abuse. It includes overviews of pharmaceutical environment, legal and statutory issues, and basic terminology. Prerequisites: PHYS 615 and BIOC 606

### **PHAR 710 Pharmacology and Pharmacotherapeutics II (Lecture 4 credits)**

This course continues the discussion of drug therapeutics, their mechanisms, and their uses. Side effects, toxicity, interaction, and contraindications are included in this course. Prerequisite: PHAR 700

### **PHAR 780 Pharmacology and Pharmacotherapeutics III (Lecture 3 credits)**

This course continues the discussion of mechanisms of pharmaceutical intervention and their uses, focusing on proper and improper treatment with pharmaceuticals. Emphasis is on conservative approaches to pharmaceutical therapies. Prerequisite: PHAR 710.

### **PHYS 615 Cell Function and Organ Systems III/Laboratory (Lecture 4 credits/Laboratory 0.5 credits)**

In this third course in the series, the function and regulation of the digestive and urinary systems are examined. Prerequisite: PHYS 610

## DEPARTMENT OF RESEARCH

**Department Co-Chairs: Robert Waters, PhD; Jeff Langland, PhD**

The courses of the research curriculum address the fundamentals of advanced scientific method in medicine and the practices and policies of the generic research community. Students learn scientific literature review and evaluation of reliability of published data. Students with a strong interest in the conduct of research may, with the supervision of a faculty member, enroll in RSCH 800 and, taking advantage of available resources, conduct a research project which may lead to publication.

Members of the Research Department are actively involved in research and maintain relationships with other area institutions such as the Bio-Design Institute at ASU, T-Gen, and the University of Arizona. For a list of completed and current research projects, please visit the SCNM website at [www.scnm.edu](http://www.scnm.edu).

Research at SCNM is guided by two internal institutional groups: the Research Advisory Board (RAB) is responsible for the review of research protocols, taking into account scientific merit, ethical considerations, program relevance, and public responsibility; and the Institutional Review Board (IRB) assures compliance with medical ethics and human subjects' research protection. The IRB will not accept protocols without prior RAB review and approval.

### **RSCH 610 Basic Concepts in Research I (Lecture 2 credits) – Graded S/U**

This course discusses the scientific method, scientific technology, and the analysis of scientific data in general as it relates to naturopathic medicine. Prerequisite: None

### **RSCH 620 Basic Concepts in Research II (Lecture 2 credits) – Graded S/U**

This course discusses the types and aids in the evaluation of journals and other scientific publications in which the medical literature can be found. Students will be exposed to methods for evaluating the varying significance of research findings. Prerequisite: RSCH 610

### **RSCH 660 Directed Research Project (Elective) (Lab 1-3 credits) – Graded S/U**

This course is oriented towards independent medical student projects under the direction of the research faculty. Projects may involve design, implementation, and analysis of clinical and/or bench-top research. These credits will apply towards the graduation requirements in research. Prerequisites, credits, and number of students will be determined by the instructor(s). Admittance to this class is in order of registration within the Registrar's Office until class size limit has been attained. Prerequisite: RSCH 610 and 620

# ACADEMIC DEPARTMENTS AND COURSE DESCRIPTIONS

## **RSCH 800 Research Project (Elective) (Lecture 1 credit) – Graded S/U**

This is an actual research project. Students who elect RSCH 800 must design a research project, obtain a faculty advisor, and receive research advisory board/institutional review board approval to conduct the research. Successful completion of such a project as judged by the research faculty and/or publication in a peer-reviewed journal may be recognized at graduation. Prerequisite: RSCH 620

## DEPARTMENT OF PHILOSOPHY AND PROFESSIONAL PREPARATION

### **Department Chair: TBA**

The courses in the philosophy sequence focus on the integration of naturopathic philosophy and principles with clinical practice through personal development of the student. The professional preparation courses are designed to create a foundation of medical ethics and business practice and management that will serve the student after graduation as (s) he enters practice.

## **NTMD 880 Analysis and Integration of Naturopathic Philosophy and Practice (Lecture 2 credits) – Graded S/U**

In this course students have the opportunity, at the end of their program, to re-examine the philosophy and principles of naturopathic medicine for use in their own practices. Also included is discussion that outlines actions students may take to advance the profession as they begin their own practices. Prerequisites: NTMD 610, fourth-year academic status.

## **PUBH 620 Epidemiology/Public Health (Lecture 3 credits)**

This course examines the cause, spread, and control of communicable disease. Students see a view of epidemiological methods, the historical content of the effects of global microbe transmission, and the evolution of public health measures in response to epidemics. Health risk factors are identified as students study preventive medicine. Students learn general epidemiological statistics and their meaning in examining health policy, public health, clinical interventions, and health outcomes. Prerequisites: None

## **JURI 720 Jurisprudence (Lecture 2 credits)**

This course provides an overview of the legal system and laws that relate to general medical and naturopathic medical practice at both the state and federal levels. Topics include health policy development, analysis, and implementation; licensure and registration laws; regulatory boards and their responsibilities; practicing in unlicensed states; legislative lobbying; employment practices; OSHA, FDA, and CLIA regulations; professional liability and unprofessional conduct; malpractice; credentialing; peer review and risk management; and legal issues related to patient/physician relationships such as confidentiality, informed consent, and patient rights. Prerequisites: None

## **ETHC 760 Medical Ethics (Lecture 2 credits)**

This course provides students with the philosophical and theoretical foundations to critically examine ethical issues in medical practice. The elements of ethical decisions are evaluated in light of legal, moral, spiritual, religious, and economic perspectives. Case analysis teaches students to evaluate ethical dilemmas and to make clinical decisions based on ethical principles. Also discussed are the use of alternative and experimental therapies, informed consent, and institutional review boards for research protocols. Prerequisites: None

## **MNGT 800 Practice Management I (Lecture 1 credit)**

This is the first of a three-course sequence where students are introduced to management concepts, marketing, and office operations. In this particular segment, networking, community involvement, finding and selecting a mentor, and public speaking are emphasized. Prerequisites: CTNG 740

## **MNGT 801 Business Practice Management II (Lecture 2 credits)**

The second in the series of three courses focusing on building and maintaining a practice culminates with the preparation of a marketing plan for a new practice. Introductions to financial concepts, administrative operations, management reporting, and their links to marketing will be given. Prerequisites: CTNG 740, MNGT 800

## **MNGT 802 Business Practice Management III (Lecture 3 credits)**

This is the third in the management series where marketing foundations are combined with financial and administrative aspects of running a practice. Fiscal and insurance management; managed care; business entity selection; human resources; and operating systems management, including application of business management principles to a business plan for a small naturopathic office, will be discussed. Students are required to create and present a business plan. Prerequisites: CTNG 740, MNGT 801

## DEPARTMENT OF CLINICAL DIAGNOSTICS

### **Department Chair: Pamela Martin, MD**

To prepare for the role of primary-care physician, the student of naturopathic medicine must become skilled in correlating and presenting histories, subjective symptoms, physical signs, and appropriate lab tests with a detailed evaluation of the body's level of health and the patient's mental balance and well being.

The courses in the department of clinical diagnostics provide students with the knowledge and skills to perform physical examinations and to identify appropriate lab tests, diagnostic procedures, and appropriate differential diagnostic assessments. These courses are practice based and provide opportunities for case analysis.

## **CACR 650 Clinical Assessment and Case Review I (Lecture 6 credits)**

This is one of three courses designed to teach students how to accurately diagnose patients through the collection and interpretation of information such as histories, presenting signs and symptoms, physical exams, and lab findings. An organ systems approach is used covering skin, eyes, ears, nose, throat, and blood. Prerequisites: PATH 625, PHYS 612, MICRO 605, MICRO 610

## **CACR 710 Clinical Assessment and Case Review II (Lecture 6 credits)**

This is one of three courses on the diagnosis of disease. The systems covered in this course include lung, cardiovascular, gastrointestinal, and endocrine. Prerequisite: PATH 625, PHYS 612, MICRO 605, MICRO 610

## **CACR 730 Clinical Assessment and Case Review III (Lecture 6 credits)**

This is one of three courses on the diagnosis of disease. The systems covered include gynecological, urinary and renal, male reproductive, neurological, musculoskeletal, and connective tissue disorders. Prerequisite: PATH 625, PHYS 612, MICRO 605, MICRO 610

# ACADEMIC DEPARTMENTS AND COURSE DESCRIPTIONS

## **CTNG 740 Clinical Training Entry Assessment (Lecture 2 credits)**

(Clinical entrance lab fees applies – See Tuition and Fee Schedule p. 15)  
This course orients students regarding clinical policies and procedures and critically assesses student competence in basic knowledge and skills required for entry into clinical rotations. A competency examination is required. Prerequisites: CACR 710, PHDX 710

## **CLLP 651 Clinical Laboratory Procedures I (Lecture 1 credit/Laboratory 0.5 credit) – Lab Graded S/U**

A two-course series provides the practicum/laboratory experience that complements the laboratory and clinical assessment lecture series. The first course introduces the student to practical laboratory medicine and its application as a diagnostic and case management tool. Case studies and information regarding the use of point-of-care testing and reference laboratory medicine will be presented in lecture. Practical laboratory exercises and demonstrations will be explored in laboratory sessions. Prerequisite: None

## **CLLP 711 Clinical Laboratory Procedures II (Lecture 1 credit/Laboratory 0.5 credit) – Lab Graded S/U**

This course focuses on intravenous therapy and intramuscular injection therapy. See CLLP 651 for course description. Prerequisite: CLLP 651

## **LBDX 650 Assessment of Laboratory Techniques I (Lecture 2 credits)**

First of a three-course sequence that focuses on the integration of the collection of laboratory results with the assessment of a patient's signs and symptoms to establish the diagnosis and aid patient management. This course covers the use of complete blood count, blood cell morphology, immunohematology, and blood function tests in the diagnosis and management of anemia, myeloproliferative diseases, autoimmune diseases, infection, and homeostasis. Prerequisites: PATH 625, PHYS 612, BIOC 606

## **LBDX 710 Assessment of Laboratory Techniques II (Lecture 2 credits)**

Second of a three-course sequence. Covers the use of blood chemistry tests, gastrointestinal function tests, cardiac function tests, kidney function tests, urinalysis, and endocrine function tests in diagnosis and patient case management. Prerequisite: LBDX 650

## **LBDX 730 Assessment of Laboratory Techniques III (Lecture 2 credits)**

Third of a three-course sequence. Basic electrocardiography is covered in this course. In addition, special lab tests such as food allergy panels, adrenal stress panels, stool analysis, etc., are reviewed. Prerequisite: LBDX 710

## **PHDX 650 Physical Assessment I (Lecture 2 credits/Laboratory 1 credit)**

First of a three-course sequence in which students are taught interview skills and how to perform routine physical examinations. Includes both normal variations and abnormal findings. Students learn to write physical assessments and chart according to SOAP format. Students learn to take vital signs, including blood pressure, pulse rate, respiratory rate, and temperature. An organ systems approach is utilized, with skin, eye, ear, nose, and throat systems covered in this course. Prerequisites: ANAT 627, PHYS 612

## **PHDX 710 Physical Assessment II (Lecture 2 credits/Laboratory 1 credit)**

Second of a three-course sequence in which students are taught to perform routine and specialty physical examinations. Organ systems covered in this course include lung, cardiovascular, respiratory, gastrointestinal, and urological. Prerequisite: PHDX 650

## **PHDX 730 Physical Assessment III (Lecture 2 credits/Laboratory 1 credit)**

Third of a three-course sequence in which students are taught to perform routine and specialty physical examinations. Organ systems covered in this course include neurologic, musculoskeletal, genito-urinary, prostate and rectal, and gynecologic examinations. Prerequisite: PHDX 710

## **RDDX 650 Diagnostic Technique and Assessment I (Lecture 2 credits)**

## **RDDX 710 Diagnostic Technique and Assessment II (Lecture 2 credits)**

## **RDDX 730 Diagnostic Technique and Assessment III (Lecture 2 credits)**

This three-course sequence covers fundamental radiographic theory and visual interpretation of common disorders in each body system. Students learn to discern normal and abnormal findings. Techniques of conducting effective and safe assessments are included. Prerequisites: PATH 625, PHYS 615

## **ERMD 740 Emergency Medicine I (Lecture 2 credits)**

## **ERMD 760 Emergency Medicine II (Lecture 3 credits)**

This two-course sequence provides students with experiences in differentially diagnosing signs, symptoms, and situations in acute medical care. Students learn to recognize emergency signs and situations possible in all organ systems. Emphasis is on the integration of current allopathic drugs and procedures and the complementary practice of acute care by naturopathic physicians. Prerequisites: CTNG 740 for ERMD 740 and ERMD 740 for ERMD 760

## DEPARTMENT OF GENERAL MEDICINE

### **Department Chair: Timothy Schwaiger, NMD, MA**

Clinical experience in the department of general medicine emphasizes the integration of knowledge with the practical application of primary naturopathic medicine. Didactic courses are designed and organized by body systems. These courses integrate biomedical sciences with clinical applicability. General practice rotations provide the student with practical clinical exposure, information, and additional medical knowledge in a clinical setting focusing on primary care medicine. Students will demonstrate skills in history taking and physical examination, become skilled at differentiating between common medical conditions, and develop basic plans of treatment consistent with the principles of the naturopathic therapeutic order.

### **Grand Rounds (GRND)**

In medical grand rounds, case histories are used to illustrate the clinical presentation of diseases, to provide a context in which participants can review basic information, and to focus discussion on several possible ways to frame and address the problem. Various medical students and physicians present their perspectives on the etiology, diagnosis, prognosis, and treatment plan for a patient's presenting problem(s). Naturopathic therapeutics is the main focus of the presentations. Prerequisites: Enrolled in clinical training

### **GRND 764 Grand Rounds (Lecture 2 credits)**

### **GRND 784 Grand Rounds (Lecture 2 credits)**

### **GRND 814 Grand Rounds (Lecture 2 credits)**

# ACADEMIC DEPARTMENTS AND COURSE DESCRIPTIONS

## **GRND 834 Grand Rounds (Lecture 2 credits)**

## **GRND 864 Grand Rounds (Lecture 2 credits)**

## **GRND 884 Grand Rounds (Lecture 2 credits)**

## **Clinical Sciences (CLSC)**

This series of courses reviews the clinical/physical and laboratory diagnosis of conditions by organ system. Emphasis is placed on appropriate differential diagnosis and assessment of the most common pathologies present in a naturopathic general practice. Students are guided through both naturopathic therapeutic modalities and allopathic treatment considerations in patient management. Referral and collaboration with other health care providers is discussed.

## **CLSC 762 Eyes, Ears, Nose & Throat (EENT) (Lecture 2 credits)**

This course covers the diagnosis and treatment considerations of common EENT conditions. EENT emergencies and problems needing referral are emphasized. Prerequisites: Eligible for Clinical Entry or Permission from department chair

## **CLSC 763 Neurology (Lecture 2 credits)**

This course reviews the basic neurological exam and the diagnosis and treatment of diseases of the nervous system. Recognition of conditions requiring referral for specialized diagnostic procedures and care are addressed. Prerequisites: Eligible for Clinical Entry or Permission from department chair

## **CLSC 771 Obstetrics (Lecture 3 credits)**

This course prepares the student to provide basic health care appropriate for the pregnant woman. Topics include diagnosis of pregnancy, initiating prenatal care, therapeutics for early pregnancy, management of spontaneous abortion, infertility, overview of normal and complicated labor/delivery, and the postpartum care of mothers and infants. The student is prepared to screen for risks and to offer patients referrals and informed choices related to hospital or out-of-hospital birthing options. Prerequisites: Eligible for Clinical Entry or Permission from department chair

## **CLSC 772 Gynecology (Lecture 3 credits)**

This course focuses on basic gynecological health issues that are encountered in the primary care setting, including menstrual disorders, pelvic pain, masses, Pap smears, sexually transmitted diseases, breast health, contraception, infertility, menopause, and osteoporosis. The student will learn to provide routine well-woman care and preventive care for women by taking a gynecological history, performing a physical exam, assessing risks and lab results, and evaluating information to make a diagnosis. Students will learn both conventional and naturopathic treatments and acquire knowledge for appropriate referrals for further workups or consultations. Prerequisites: Eligible for clinical entry or permission from department chair.

## **CLSC 780 Endocrinology (Lecture 3 credits)**

This course focuses on the complex interactions of the human hormonal system and the causes and effects of metabolic and hormonal imbalances. A review of standard medical treatment is discussed. Prerequisites: Eligible for clinical entry or permission from department chair

## **CLSC 783 Urology (Lecture 2 credits)**

Conditions of the urinary tract, kidney, and male reproductive system are discussed. Recognition of conditions requiring referral for specialized care is addressed. Prerequisites: Eligible for clinical entry or permission from department chair

## **CLSC 812 Dermatology (Lecture 2 credits)**

The assessment of common skin disorders and the identification of serious skin lesions are covered. Emphasis is placed on conventional and naturopathic treatment. Prerequisites: Eligible for clinical entry or permission from department chair

## **CLSC 831 Cardiology (Lecture 2 credits)**

This course focuses on the pathophysiology, diagnosis, and assessment of conditions affecting the heart and circulatory system. Therapeutic considerations for common conditions are discussed. Appropriate and emergency referral is emphasized. Prerequisites: Eligible for clinical entry or permission from department chair

## **CLSC 832 Pulmonology (Lecture 2 credits)**

This course will focus on common respiratory disorders including those conditions related to cardiovascular disease. Naturopathic and allopathic medical therapies of acute and chronic respiratory problems are covered. Prerequisites: Eligible for clinical entry or permission from department chair

## **CLSC 834 Gastroenterology (Lecture 3 credits)**

This course examines disorders of the digestive tract and related organs. Laboratory assessment, diagnostic imaging, and integrative therapeutics are discussed. Prerequisites: Eligible for clinical entry or permission from department chair

## **CLSC 861 Rheumatology (Lecture 2 credits)**

This course focuses on the inflammatory conditions of the connective tissue, muscles, and joints. Emphasis is placed on the diagnosis and treatment of autoimmune disorders. Prerequisites: Eligible for clinical entry or permission from department chair

## **CLSC 862 Geriatrics (Lecture 2 credits)**

This course examines the process of aging with an emphasis on exploring the psychosocial challenges and common physical problems older adults encounter. The format stresses preventing, reversing, or retarding degenerative changes, and maximizing overall health. Prerequisites: Eligible for clinical entry or permission from department chair

## **CLSC 863 Viral Disorders/HIV (Lecture 2 credits)**

This course focuses on chronic viral and common autoimmune disorders. The student is trained to understand the predisposition, etiology, course, and diagnosis of these conditions. Special emphasis is placed on HIV and CFIDS. Naturopathic therapeutics is covered in depth. Prerequisites: Eligible for clinical entry or permission from department chair

# ACADEMIC DEPARTMENTS AND COURSE DESCRIPTIONS

## **CLSC 881 Oncology (Lecture 2 credits)**

This course examines the epidemiological, etiologic, diagnostic, prognostic, and preventive assessment of commonly occurring cancers. Medical alternatives and innovative therapeutic approaches are discussed. A comprehensive approach to patient management is emphasized. This course includes guest lecturers from various cancer specialties and disciplines. Prerequisites: Eligible for clinical entry or permission from department chair

## **CSRV 800 Clinical Science Board Review (Lecture 3 credits) – Graded S/U**

This course is a clinical science review for the NPLEX Part II examination. Prerequisites: None

## **CLTR 600 On Site General Medicine**

Axelrod, Highfield, Kupperman, Marchese, Mittman, Porter, Schwaiger, Sorensen, Turner

## **CLTR 700 Elective Site Obstetrics**

Swan

## DEPARTMENT OF PEDIATRICS

**Department Chair: Matthew Baral, ND**

**Resident: Kiera Smialek, ND**

Class information combined with clinical practice opportunities in a variety of settings offers a real-world view of the practice of pediatrics.

## **CLSC 764 Pediatrics (Lecture 3 credits)**

This course focuses on the assessment of common problems in infancy, childhood, and adolescence. Emphasis is on normal developmental milestones, disease prevention, and the treatment of common childhood conditions. Appropriate referral is addressed. Prerequisites: CTNG 740

## **CLTR 600 On Site Pediatrics Rotations**

Baral, Mitchell

## DEPARTMENT OF ACUPUNCTURE AND ORIENTAL MEDICINE

**Department Chair: Yong Deng, MD (China), LAc**

The focus of this curriculum in the Doctor of Naturopathic Medicine program is to train students to practice safely and competently while providing basic competency in Traditional Chinese Medicine (TCM) for the diagnosis and treatment of common disorders using acupuncture.

## **OMND 600 Theory and Fundamentals of Oriental Medicine (Lecture 3 credits)**

This course introduces the fundamental concepts of oriental medicine, including yin yang, five elements theory, zang-fu organ systems, qi, blood and body fluid, meridian systems, TCM etiology, treatment principles, and eight phases theory. This course lays a foundation for further study. Prerequisites: None

## **OMND 610 Traditional Chinese Medicine Diagnosis (Lecture 3 credits)**

In this course the basics of TCM history and diagnosis are studied. TCM case-history taking, including the classic ten questions and significance of elucidated symptoms, are explored, as well as TCM classic diagnostic techniques such as tongue and pulse diagnosis. The syndrome differentiation based on Eight Principles is also discussed. Prerequisites: OMND 600

## **OMND 705 Meridians and Points I (Lecture 2 credits/Laboratory 0.5 credit)**

## **OMND 710 Meridians and Points II (Lecture 2 credits/Laboratory 0.5 credit)**

This two-course sequence covers the TCM acupuncture points and meridians. The location, function, and indications of acupuncture points of each meridian are studied. Practical, hands-on experience in point location occurs with the supervision of an experienced acupuncturist. Prerequisites: OMND 610, ANAT 627 for OMND 705; OMND 705 for OMND 710

## **OMND 725 Traditional Chinese Medicine Pathology (Lecture 4 credits)**

In TCM treatment plans are based on symptom patterns. In this course students will learn to identify key symptoms of the zang-fu organ patterns and the method of syndrome differential diagnosis of TCM according to zang-fu organ systems theory. Therapeutic principles and acupuncture treatments for individual patterns are also discussed. Prerequisites: OMND 710

## **OMND 735 Acupuncture Techniques (Lecture 1 credit/Laboratory 0.5 credit)**

This course covers basic needling techniques used in acupuncture such as needle insertion, tonification, reduction, moxibustion, bleeding, interdermal needles, and cupping. Practical experience in needling technique occurs under the supervision of an experienced acupuncturist. Clean needle and safe needling techniques are introduced. Prerequisites: OMND 710 and OMND 725

## **OMND 815 Oriental Medicine Case Analysis and Management I (Lecture 2 credits)**

In this course a case analysis approach illustrates the disease entities commonly encountered in clinical practice. Students translate western disease assessments into TCM syndromes. The differential diagnosis of syndromes is reviewed, along with the therapeutic principles required for acupuncture and Chinese prepared medicines. Prerequisites: OMND 710, and OMND 735

## **OMND 865 Oriental Medicine Case Analysis and Management II (Lecture 2 credits)**

This course continues the exploration that began in OMND 815 of case analysis and management of the disease entities commonly encountered in practice. The differential diagnosis of syndromes is reviewed, along with the therapeutic principles required for effective treatment. Acupuncture protocols are emphasized, along with Chinese prepared medicines. Prerequisites: OMND 815

## **OMND 890 Chinese Prepared Medicines (Elective) (Lecture 3 credits) – Graded S/U**

This course explores Chinese prepared medicines for common syndromes and disorders because the acupuncture practitioner in North America commonly uses pill or tincture forms for adjunctive therapy. This course trains the student in the skills necessary to critically evaluate the many products available. Classical Chinese patent medicines and contemporary North American Chinese prepared formulas are discussed. Prerequisites: OMND 610 and OMND 725

## **CLTR 600 On Site Oriental Medicine Rotations** Deng

# ACADEMIC DEPARTMENTS AND COURSE DESCRIPTIONS

## DEPARTMENT OF BOTANICAL MEDICINE

**Department Chair: Patricia Gaines, ND, RH (AHG)**

The department of botanical medicine directs the study of utilizing plants as medicine. Classes are offered in several venues: the field, laboratory, and classroom. Classes focus on historical use of plants as medicine, current research, pharmacognosy, clinical application of knowledge, and case analysis and management. In accordance with the philosophy of naturopathic medicine, emphasis is not only on the study of botanical medicine, but also on how combinations of botanicals, with other herbs, drugs, and foods, create effects in people that promote health and prevent disease.

### **BOTM 680 Pharmacy of Botanical Medicine (Lecture 2 credits)**

(A course fee applies – See Tuition and Fee Schedule, p. 15)

This is a hands-on course familiarizing students with the preparation of herbal medicine. Students actively participate in the preparation of herbal tinctures, teas, poultices, compresses, syrups, creams, ointments, emulsions, suppositories, and capsules. Students examine the comparable advantages and disadvantages of each type of preparation and how pharmacognosy provides an understanding of optimizing medicinal preparations for each plant. Emphasis is also placed on prescription writing and utilizing organoleptic testing to assess medicinal preparation, identity, and quality. Prerequisite: None

### **BOTM 700 Pharmacognosy & Phytochemistry (Lecture 3 credits)**

This course is an overview of the study of natural plant substances. This topic will be explored through the major classes of plant constituents in order to understand the activity of plants and offer a framework for the clinical application of botanical medicine. It will cover basic plant chemistry and examine solubility and extraction, variability and synergy, as well as review biosynthetic pathways, absorption, metabolism, standardization, and concentration. The major focus of the class is on the major categories and subcategories of phytochemicals relevant to botanical medicine and the physiological effects these constituents have on the human body. Prerequisites: BIOC 605, BIOC 606, BOTM 610

### **BOTM 743 Naturopathic Materia Medica Pharmacognosy/ Therapeutics I (Lecture 2 credits)**

### **BOTM 744 Naturopathic Materia Medica Pharmacognosy/ Therapeutics II (Lecture 2 credits)**

### **BOTM 817 Naturopathic Materia Medica Pharmacognosy/ Therapeutics III (Lecture 2 credits)**

These consecutive courses provide students with the necessary knowledge and skills to understand herbal medicine in the naturopathic materia medica. Students are taught botanicals from an organ system perspective. These include gastrointestinal, dermatological, respiratory, immune, cardiovascular, reproductive, urinary, endocrine, and musculoskeletal and nervous systems. Material presented on each botanical includes taxonomy, description, habitat, part(s) used, pharmacognosy, historical and current medicinal actions and uses, dosing, toxicology, and potential drug interactions, all of which are used to critically analyze the application of these botanicals for therapeutic formulations. If not taking courses consecutively, consult department chair. Prerequisites: BOTM 610, BOTM 680, BOTM 700 and PATH 625; BOTM 743 and BOTM 744 for BOTM 817

### **BOTM 831 Botanical Medicine Therapeutics – Developing Clinical Proficiency (Lecture 2 credits)**

This course is designed to prepare students for the demands of a broad-based naturopathic practice and to continue development of expertise in phytotherapy. Case studies will be utilized to illustrate the complexity of botanical prescribing. Formulation will be emphasized as a clinical strategy in conditions of multifactorial etiologies and multi-organ system disease processes. The recognition of quality botanical medicine will also be addressed. The quality and value of this course largely depends on student participation in lecture and learning exercises. Be prepared for participation in this course. Prerequisites: BOTM 743, 744, 817; Eligibility to enter clinical training.

### **BOTM 900 Botanical Medicine in the Appalachian Mountains – (Elective)**

#### **(Lecture 3 credits) – Graded S/U**

This is a hands-on, two-week course located in Brevard, North Carolina, and conducted at the Gaia Herb Farm. It is designed to greatly expand the student's knowledge of herbal medicine through lecture and field study, spending time with plants and discussing their preparation and use. Ric Scalzo, CEO/founder of Gaia Herbs, will lead discussions on the use of herbs growing on the farm and lecture topics including growing/manufacturing/producing quality botanical medicines, validating strength and purity, understanding herbs from an Ayurvedic perspective, and constitutional formulation. Local herbalists will lead field hikes identifying and discussing folk use and current use of plants native to the Appalachian Mountains. This course builds on foundational knowledge presented in the materia medica series. Prerequisite: Completed one year of naturopathic medical school; priority will be given to more senior students.

### **CLTR 600 On-site Botanical Medicine Rotations Gaines**

## DEPARTMENT OF ENVIRONMENTAL MEDICINE

**Department Chair: Walter Crinnion, ND  
Resident: Christina Youngren, ND**

Solvents, pesticides, heavy metals, plastic, and other pollutants are in every person in record amounts. These compounds lead to a variety of adverse health effects, some more obvious than others. The department of environmental medicine seeks to bring clarity to the issue of chronic health problems secondary to everyday exposures to low-level toxins by offering classroom instruction, providing patient care, and conducting research in this dynamic and broad field. The naturopathic principle of *Tolle Causam*—treat the cause—is fully explored by this department.

### **ENVM 660 Depuration Techniques (Lecture 1 credit/Laboratory 1 credit)**

This course focuses on the physical procedures useful in eliminating environmental pollutants from the human body (depuration). Modalities covered include retrograde colonic irrigation, constitutional hydrotherapy, and thermal chamber therapy (sauna). Prerequisites: PHMD 615

### **ENVM 700 Introduction to Environmental Medicine/Toxicology (Lecture 2 credits)**

This course covers basic information on toxins in our environment. Basic concepts of toxicology will be covered, along with the major groups of environmental toxins. The class will then cover the common modes of non-occupational exposures (air, food, water) to these compounds. Finally, methods of human metabolism and excretion of the toxins will be covered as well as obstacles to the same. Prerequisite: PUBH 620

# ACADEMIC DEPARTMENTS AND COURSE DESCRIPTIONS

## **ENVM 760 Basics of Environmental Medicine (Lecture 2 credits)**

This course gives an overview of the field of environmental medicine. The typical symptom pictures of environmental toxin overload will be covered, highlighting toxin damage to the immune, neurologic, and endocrine systems. Specific toxin overload-related illnesses will be covered as well (multiple chemical sensitivity, Gulf War syndrome, etc.). Overall case assessment and treatment will be emphasized, and case histories will be covered. Prerequisites: ENVM 700

## **CLTR 600 On Site Environmental Medicine Rotations** Crinnion

## DEPARTMENT OF HOMEOPATHIC MEDICINE

### **Department Chair: Stephen Messer, ND, DHANP Resident: Elizabeth Rice, ND**

Historically, naturopathic medicine has honored the prescription of homeopathic medicines for both acute and chronic conditions. The courses in the department of homeopathic medicine prepare the naturopathic medical student to be competent in case-taking, prescription, and management of the naturopathic patient. Emphasis is on the recognition of the body's process of healing. Students study the historical, current, and evolving use of homeopathic medicines in naturopathic practice.

### **HMEO 730 Homeopathic Materia Medica Repertory & Case-taking I (Lecture 3 credits)**

### **HMEO 750 Homeopathic Materia Medica Repertory & Case-taking II (Lecture 2 credits)**

### **HMEO 770 Homeopathic Materia Medica Repertory & Case-taking III (Lecture 3 credits)**

A three-course sequence in which students learn case-taking, case analysis, and use of the repertory. Attention is paid to case-taking and case analysis which, when correctly performed, lead to accurately perceiving what must be cured in individual patients. During the series of classes, case presentations of increasing difficulty illustrate how to match case analysis with what is curative in homeopathic remedies (materia medica). The courses present a mix of acute and chronic (miasmatic) case studies and materia medica leading to knowledge of both commonly prescribed "polycrests" and smaller remedies. Prerequisites: HMEO 620 for 730; HMEO 730 for 750; HMEO 750 for 770

### **HMEO 810 Patient Management and Case-Taking (Lecture 2 credits)**

Students focus on the art of homeopathic medicine. This course emphasizes in-depth materia medica, sharpening skills in history-taking, analyzing and managing patients with multi-layered and complex diseases, and long-term follow-up. Prerequisites: HMEO 770

### **HMEO 862 Advanced Case Management (Lecture 2 credits) – Graded S/U**

Students focus on advanced topics in homeopathic medicine and how to integrate homeopathy with general naturopathic practice. This course is, in large measure, case based. This course emphasizes sharpening skills in case analysis; managing patients with severe, acute, and chronic conditions; and advanced study of materia medica. Prerequisites: HMEO 770

## **HMEO 890 Advanced Materia Medica (Elective) (Lecture 2 credits) – Graded S/U**

Students expand their knowledge of the homeopathic materia medica, studying more than 100 small remedies. Homeopathic therapeutics or homeopathic differentials assist students in treating and managing patients with acute and chronic illnesses. Prerequisites: HMEO 862

## **CLTR 600 On-Site Homeopathic Rotations** Messer, S.; Udell, Ham

## DEPARTMENT OF MIND-BODY MEDICINE

### **Department Chair: John Dye, ND**

The philosophy of naturopathic medicine emphasizes the patient's ability to learn how to listen to their body for signs of health or imbalance. The naturopathic physician also closely listens for clues to the patient's health found in symptoms from the body, the mind, and the spirit. The patient is a partner in the process of exploring mind-body connections and learns to experience the sense of wellbeing that emanates from the whole and authentic self. These courses emphasize the intuitive, communicative, and therapeutic skills needed to be an effective practitioner. Focus is placed on the body, mind, and spirit interactions found within the patient's health needs and in the doctor/patient relationship.

### **PSYC 660 Fundamentals of Mind-Body Medicine (Lecture 2 credits) – Graded S/U**

This course provides the foundation necessary to understand the fundamental dynamics of mind-body medicine. The science of mind-body medicine, including psychobiology and psychoneuroimmunology, will provide foundations for exploring psychosocial and spiritual dimensions in healing. Techniques such as meditation, imagery, hypnosis, biofeedback, talk therapy, prayer, medical intuition, and shamanism are discussed and critically examined as therapeutic approaches. Prerequisites: None

### **PSYC 830 Eating Disorders and Prescriptions in Addictive Behaviors (Lecture 2 credits)**

This course examines the special challenges of addictive, weight, and eating disorders. Students are asked to diagnose and examine the psychological aspects, nutritional needs, and treatment and supportive treatment plans for these patients. Cases are provided for students to analyze and identify sequential steps for patient management. Prerequisites: NUTR 755

### **PSYC 835 Practicum in Mind-Body Healing (Lecture 2 credits) – Graded S/U**

Students begin utilizing methodologies and techniques of mind-body healing. Intervention techniques are applied within a clearly outlined treatment plan. The use and effectiveness of various process-oriented techniques are critically evaluated. Course will review and demonstrate the most current approaches. Students practice and develop their skills in mind-body healing. Instructor and/or guest speakers will supervise skill-building sessions and provide effective role models. Prerequisites: PSYC 660; Eligibility to enter Clinical Training

### **PSYC 850 Principles and Practice of Medical Psychology (Lecture 3 credits)**

Students learn necessary foundations and general strategies to recognize, intervene, and refer patients who are experiencing transitional/traumatic states of mental health. Students learn diagnosis according to the Diagnostic and Statistical Manual of Mental Disorders. Development over the lifespan, family dynamics, counseling theories, abuse of minors and adults, and the impacts of death and dying, suicide, and homicide are explored. Legal and ethical issues related to these behavioral health dimensions are discussed. The use of agencies

# ACADEMIC DEPARTMENTS AND COURSE DESCRIPTIONS

and referral sources is emphasized as are crisis intervention and other strategies for dealing with emergency mental health situations. The influence of other factors on mental health, including exercise, sleep and pain, are also explored. Prerequisites: Eligibility to enter clinical training

## **PSYC 865 Medical Biofeedback (Elective) (Lecture 3 credits) – Graded S/U**

Students receive training in the principles and applications of biofeedback with a focus on integrating these treatment modalities into a naturopathic medical practice. The integration of biofeedback as a complementary approach with other therapeutic procedures to address medical and stress-related health conditions will be emphasized. Students learn to use conventional biofeedback equipment and therapeutic indications. Skill labs include training in various modalities, including temperature, electrodermal activity, muscle tension, breathing patterns, heart-rate variability, and brain wave (EEG) biofeedback. Taken together with Foundations of Neurofeedback, PSYC 870, this course fulfills didactic requirements for certification from the two major certification boards in biofeedback. Prerequisites: None; Non-SCNM students must have a license to practice or be sponsored by someone who is certified in biofeedback and/or neurofeedback.

## **PSYC 870 Foundations of Neurofeedback (Elective) (Lecture 3 credits) – Graded S/U**

*(A course fee applies – See Tuition and Fee Schedule, p. 2)*

Students receive training in the principles of neurofeedback (EEG biofeedback) and its clinical application to various brain, neurological, and psychiatric conditions such as ADHD, depression, anxiety, insomnia, addiction, and traumatic brain injury. Course includes neurofeedback history and research, EEG and electrophysiology, instrumentation, treatment planning, and experiential modules designed to familiarize the student with electrode placement and clinical applications. The course will also provide an introduction to quantitative EEG interpretation and its use to inform optimal treatment strategies. This course fulfills didactic requirements for certification from the two major certification boards in neurofeedback. Prerequisites: None; Non-SCNM students must have a license to practice, or be sponsored by someone who is certified in biofeedback and/or neurofeedback

## **PSYC 885 Basic Medical Hypnosis (Elective) (Didactic 3 credits)**

Students will learn basic tools and general strategies to induce a hypnotic state for different kinds of patients and problems. General foundations about hypnosis, ethics, and legal aspects of its clinical therapeutic use will be discussed. Students will learn (a) how to deal with resistant patients and how to utilize any resistance and difficulty as a fulcrum to help the trance and therapeutic work, (b) different kinds of inductions and how to adapt different techniques to a client's individuality, (c) how to create a new trance induction for each patient, and (d) how to use hypnosis for different kinds of clinical problems like pain control, depression, anxiety, stress management, weight loss, childbirth and preparation for surgery, etc. General guidelines for other problems that occur in a physician's practice will also be discussed. Ethical issues related to medical hypnosis will be addressed.

## **PSYC 775 Naturopathic Treatments for Mental Illness (Elective) (Didactic 3 credits)**

This course involves in-depth exploration of specific naturopathic approaches to the most common psychiatric disorders seen in general practice. This course will allow students to assess, synthesize and prioritize, and implement naturopathic therapies consistent with naturopathic principles. These are discussed and integrated as interventions applied within a clearly outlined treatment plan. Course content will include introduction to laboratory, common nutritional, QEEG, neuropsych, and conventional approaches to assessment of mental disorders. DSM and allopathic diagnosis and treatment for psychiatric illness will also be addressed as pertaining to the various conditions covered.

## **CLTR 600 On Site Mind-Body Rotations**

Dye, Raymer, Messer, J,

## **CLTR 600 On-Site Neurofeedback Rotations**

Dye, Raymer, Larson

## DEPARTMENT OF NUTRITION

### **Department Chair: Mona Morstein, ND, DHANP**

The courses in the department of nutrition focus on the biochemical, nutritional, and hormonal impacts of diet. Students will be able to identify nutritional, biochemical, and hormonal weaknesses in their patients that are obstacles to cure. Students will identify how food can be used to regain and rebuild health physically, mentally, and emotionally. Courses emphasize the body's metabolic pathways for macronutrients and micronutrients, diet diary analysis, nutritional specialty testing, the nutrient requirements of different people at different times in life, knowledge of supplements available to the nutritionally oriented practitioner, and therapeutic dietary protocols used to attain and maintain health.

## **NUTR 650 Macronutrients and Specialized Diets (Lecture 2 credits)**

This course examines the macronutrients fats, carbs, proteins, amino acids, and fiber. It also discusses reading labels, the various specialized diets naturopathic medicine uses in daily clinical practice, and the pros/cons of artificial sweeteners. Prerequisite: NUTR 620

## **NUTR 740 Nutritional Disease Protocols (Lecture 3 credits)**

This course examines how nutrition, through the application of therapeutic diets and nutritional supplementation, is used to treat various diseases and conditions that are seen clinically in naturopathic medical practices. Prerequisite: NUTR 670

## **NUTR 755 Creating Nutrition Based Protocols For Patients (Lecture 2 credits)**

This course will bring all previous nutrition courses into clinical reality, whereby students will create three-day therapeutic diets and nutritional supplement regimens for a variety of different patient populations, medical conditions, and cost limitations. Prerequisites: NUTR 620, NUTR 650, NUTR 670, NUTR 740

## **CLTR 600 On Site Nutrition Rotations**

Morstein

## DEPARTMENT OF PHYSICAL MEDICINE

### **Department Chair: TBD**

The courses in the Department of Physical Medicine focus on orthopedic physical assessment techniques and treatment modalities including therapeutic touch, palpation, a variety of soft-tissue and osseous manipulation techniques (primarily High Velocity Low Amplitude thrusting), hydrotherapy, and patient case management for functional improvement in injury states, postural stress conditions, and pain management. Structural integration is emphasized.

## **PHMD 615 Principles of Hydrotherapy (Lecture 1 credit/Laboratory 0.5 credit)**

In this course students are introduced to the principles and practices of historical and modern therapeutic use of the application of water, including alternating temperature, colon hydrotherapy, constitutional hydrotherapy, cleansing, steam, and sweat. Prerequisites: None

# ACADEMIC DEPARTMENTS AND COURSE DESCRIPTIONS

## **PHMD 710 Introduction to Physical Medicine and Orthopedics (Lecture 1 credit/Laboratory 0.5 credit)**

This course examines the study of physical medicine as a diagnostic and therapeutic tool. Students are introduced to muscle energy technique and cranio-sacral technique. Emphasized is regional physical assessment using orthopedic tests and muscle testing. Orthopedic bio-mechanics, gait analysis, and goals of varying therapeutic treatments of acute and chronic joint dysfunction are examined. Prerequisites: PHMD 605

## **PHMD 735 Physiotherapy Modalities (Lecture 1 credit/Laboratory 0.5 credit)**

This course offers students opportunities to integrate information on physics, physiology, and indications and contraindications of the use of physiotherapy equipment. Evaluation of treatment protocols and applications of major physiotherapy modalities are emphasized. Prerequisites: None

## **PHMD 740 Naturopathic Manipulative Treatment – Assessment & Application I**

**(Lecture 2 credits/Laboratory 1 credit)**

## **PHMD 770 Naturopathic Manipulative Treatment – Assessment & Application II**

**(Lecture 2 credits/Laboratory 1 credit)**

This two-course sequence covers the evaluation of normal and abnormal findings of the spine and extremities through assessment of positional deviations, assessment of joint mobility through static and motion palpation, grading of orthopedic muscular strength and joint range of motion, differential diagnosis of common and special disorders, and evaluation of disease and injury including postural stress of the musculoskeletal patient. Emphasis is on regional orthopedic physical assessment and osseous manipulation (High Velocity Low Amplitude–HVLA). Manipulative treatment includes the sacro-iliac, lumbosacral, lumbar, thoracic, ribs, cervical, and occipital spinal areas; extremities; and specialty visceral manipulative techniques. Students write narrative reports on musculoskeletal conditions and demonstrate applications of Naturopathic Manipulative Treatment (NMT) and patient case management of the musculoskeletal patient. Prerequisites: PHMD 710 for 740; PHMD 740 for 770

## **PHMD 820 Orthopedic and Sports Medicine (Lecture 4 credits)**

Students evaluate sports and orthopedic injuries. Emphasized are diet, exercise, soft-tissue therapies, physiotherapy, manipulative technique, and medicines used in the treatment of sports and orthopedic injuries. Prerequisite: PHMD 770

## **PHMD 870 Muscle Energy and Counterstrain (Elective) (Lecture 1 credit/Laboratory 0.5 credit)**

This course focuses on resolving muscle spasm through the use of traditional osteopathic manipulation techniques. Emphasis is placed on the diagnosis and treatment of muscular pain and dysfunction using gentle manipulative techniques that work with only the muscles, rather than HVLA thrusts involving subluxations. Prerequisite: PHMD 770

## **MSRG 810 Minor Surgery (Lecture 2 credits/Laboratory 0.5 credit)**

*(A course fee applies – See Tuition and Fee Schedule, p. 3)*

The course provides students with both the foundation and practical experience of conducting minor surgery. The student will learn necessary skills including incisions and excisions used in cyst and mole removal and the appropriate suturing techniques. They will also learn skills including cautery, and hyfrication cryoprobe. Students will demonstrate the ability to perform topical and local anesthetic injections and skin biopsies. The course also addresses diagnosis and management of surgical patients. The course includes management of surgical emergencies and surgical referral. Prerequisites: ERMD 740

## **MSRG 890 Advanced Techniques in Minor Surgery (Lecture 1 credit/Laboratory 0.5 credit)**

This course is a continuation of MSRG 810 and offers students additional training in minor surgery skills, building on the foundation of MSRG 810. Prerequisites: MSRG 810

## **CLTR 600 On Site Physical Medicine Rotations**

Buratovich, Jacobson, Kerievsky, Makeeta

## **CLTR 600 On Site Hydrotherapy Rotations**

Hazel, Geyer

## **CLTR 600 On Site Minor Surgery Rotations**

Sorensen

## DEPARTMENT OF COMMUNITY MEDICINE

### **Department Chair: Janice Highfield, ND**

The extended site rotations are at eight community clinics throughout the Phoenix-Metro area. SCNM faculty members and licensed naturopathic physicians supervise clinical interns in the diagnosis and treatment of patients at these clinics. Students practice care and management of the health needs of underserved and diverse patient populations.

### **CLTR 690 Extended Site Rotation:**

The River Source

Population: Substance Abuse Rehabilitation  
Fitzgerald, Groves

### **CLTR 690 Extended Site Rotation:**

Arizona Pathways

Population: Substance Abuse Rehabilitation  
Ewald

### **CLTR 690 Extended Site Rotation:**

Sojourner Center

Population: Women and children who are victims of domestic violence  
Ezre

### **CLTR 690 Extended Site Rotation:**

WAHI

Population: Substance abuse rehabilitation  
Arneson

### **CLTR 690 Extended Site Rotation:**

Southwest Center for HIV/ AIDS

Population: HIV/AIDS  
Kupperman, Williams

### **CLTR 690 Extended Site Rotation:**

Hamilton Elementary School Clinic

Population: Pediatrics, underserved  
Baral, Mitchell

### **CLTR 690 Extended Site Rotation:**

Hamilton Adult Clinic

Population: Adult, underserved  
Highfield



# ACADEMIC DEPARTMENTS AND COURSE DESCRIPTIONS

**CLTR 690 Extended Site Rotation:**

Guadalupe Family Health Center  
Population: Family Care  
Axelrod

**CLTR 690 Extended Site Rotation:**

Mission of Mercy  
Population: Underserved adults and children; Mobile Medical Unit  
TBD

# ACADEMIC POLICIES

## ACADEMIC POLICIES AND PROCEDURES

Please refer to the 2010-2011 catalog for a list and description of policies and procedures with the exception of those included here which supersede those in the 2010-2011 catalog.

## CREDIT EQUIVALENCE

Courses are reported in quarter credit hours according to the following values:

Didactic	1 credit = 10 contact hrs per qtr
Laboratory	1 credit = 20 contact hrs per qtr
	0.5 credit = 10 contact hrs per qtr
Laboratory/Medicinary Post	1 credit = 20 contact hrs per qtr
Clinical Rotations (in 12-week qtrs)	2.4 credits = 48 contact hrs per qtr
Clinical Rotations (in 8-week qtrs)	1.6 credits = 32 contact hours per qtr

## GRADUATION REQUIREMENTS

Candidates for the Doctor of Naturopathic Medicine degree must fulfill the following graduation requirements:

- Satisfactory completion of all courses in the prescribed curriculum
- Satisfactory completion of clinical training requirements, including:
  - 65 clinical credits
  - 1 Lab post credit
  - 1 Medicinary post credit
  - 700 patient contacts
  - Satisfactory completion of required clinical competencies
  - Successful completion of Primary Status Exam\*
  - Successful completion of Clinic Exit Exam\*
- Satisfactory discharge of all academic and/or disciplinary sanctions
- Satisfied financial obligations to SCNM
- Met and completed a minimum of 45 community service hours
- Received recommendation from the Faculty Senate

\*Clinical milestone exam fee and quarterly lab fee applies.

## COMPLETION TIME REQUIRED

The Doctor of Naturopathic medicine program is designed to be completed in four calendar years or 16 academic quarters. Students who deviate from the standard academic program will extend the length of the program. Students are expected to complete the ND program within 24 academic quarters, not to exceed six years from initial date of matriculation, including any and all leaves of absence and periods of withdrawal followed by re-activation. Credits transferred from an approved institution count toward the maximum completion time. Students must make satisfactory progress toward the completion of their degree at SCNM to be eligible for most financial aid programs. SCNM's satisfactory academic progress policy includes cumulative GPA, academic year minimum credits earned, and 24 total academic quarters.

The following table illustrates the minimum number of credit hours required to be completed at the end of every calendar year.

## MINIMUM ACADEMIC REQUIREMENTS

Calendar Year	Total Quarters	Total Credits Earned
1st	Quarters 1 – 4	63
2nd	Quarters 5 – 8	126
3rd	Quarters 9 – 12	189
4th	Quarters 13 – 16	252
5th	Quarters 17 – 20	315
6th	Quarters 21 – 24	380

## ELIGIBILITY FOR CLINICAL TRAINING

In order to participate in the clinical training program at Southwest College of Naturopathic Medicine, students must meet the following criteria:

- Have full admission status
- Make satisfactory academic progress
- Satisfactorily complete all course work in quarters 1-8 as listed in the program of study
- Complete the Application for Clinical Training Entry and submit to the Registrar's office
- Pass the clinical entry assessment course, CTNG 740
- Pass the Clinic Entry Exam\*
- Apply for and receive a Clinical Training Certificate from the State of Arizona Naturopathic Physicians Medical Board. The Clinical Training Certificate must be renewed annually for the duration of a student's clinical training. If a student fails to renew his/her Clinical Training Certificate, he/she is ineligible to continue his/her clinical training until the Clinical Training Certificate has been renewed. Students will be dropped from current rotations and will not be granted credit for these rotations and/or will not be able to register for rotations
- Complete and pass a mandatory drug test prior to clinical entry and are subject to random testing during their clinical training
- Take the Biomedical Sciences portion of NPLEX or comply with existing NPLEX policy (See NPLEX Policy in catalog)
- Secure necessary medical equipment: sphygmomanometer, stethoscope, otoscope, ophthalmoscope, tuning fork, and reflex hammer
- Provide the Registrar's office with a current copy of a CPR card, Hepatitis B information, TB screening, and any other required health information
- The Clinical Handbook agreement must be signed and dated by the student and returned to the Registrar's office prior to starting clinical training

\*Clinical milestone exam fee and quarterly lab fee applies.

These requirements must be met by all students, including transfer students and advanced standing students. Previous enrollment in a clinical training program at another naturopathic college or other medical college does not allow the student to enter SCNM's clinical training program without fulfilling all of the above requirements.

# ACADEMIC POLICIES

## ACADEMIC WARNING

Student academic records are reviewed by the Registrar's Office for satisfactory academic progress at the end of every quarter after all incompletes and tests are completed. Students who maintain a 2.0 GPA in a quarter but receive one or more failing grades will be placed on academic warning. They will receive notification from the Registrar and are required to meet with the Academic Advising Specialist. They are encouraged to meet with the Dean of Students and the Dean of Medical Education to obtain additional academic assistance.

## ACADEMIC PROBATION

A student on academic probation remains eligible for financial aid. Such students are not eligible to participate in non-curricular and co-curricular programs such as teaching assistants, student mentors, student ambassadors, or other areas of responsibility as determined by the Dean of Medical Education. Students' academic probation is progressive based on the criteria below and remains a permanent notation on the student's academic record (transcript). Students return to good standing when their cumulative GPA returns to 2.0 or higher.

## ACADEMIC PROBATION I

Students are placed on academic probation I if their cumulative GPA falls below 2.0 in any quarter or if they do not meet the minimum academic credits required, as described on p. 40. Students placed on academic probation I will receive notification from the Registrar's Office along with a notation on their transcript and will be required to meet with the Academic Advising Specialist for recommendations on how to improve their academic performance.

## ACADEMIC PROBATION II

Students are placed on academic probation II if their cumulative GPA falls below 2.0 for the second time while enrolled at SCNM, or they do not meet the minimum academic credits required, as described on p. 40. Students on academic probation II will receive notification from the Registrar's Office along with a notation on their transcript and will be required to meet with the Academic Advising Specialist, the Dean of Students, and the Dean of Medical Education to discuss an academic agreement intended to improve performance.

## ACADEMIC PROBATION III

Students are placed on academic probation III if their cumulative GPA falls below 2.0 for the third time while enrolled at SCNM or they do not meet the minimum academic credits required, as described on p. 40. Students who are on academic probation III will receive notification from the Registrar's Office along with a notation on their transcript and will be required to meet with the Academic Advising Specialist, the Dean of Students, and the Dean of Medical Education to discuss final plans to improve performance. Academic Probation status for that quarter remains on the student's transcript indefinitely. Students return to good standing when their cumulative GPA returns to 2.0 or higher.

## ACADEMIC SUSPENSION

A student may be subject to suspension due to the same reasons for academic dismissal (see below). The Academic Progress Committee makes the decision for suspension or permanent academic dismissal. Except where prior approval has been granted by the Dean of Students, a suspended or dismissed student will not participate in any SCNM-sponsored activities and will be barred from the College's property during the suspension period or after dismissal.

## ACADEMIC DISMISSAL

A student is subject to academic dismissal if the student's cumulative GPA falls below 2.0 for a fourth time (or after being on Probation III), for failing a repeated course, or for not meeting the incremental or maximum time frame requirements for completion of the degree. The student will be contacted to have an opportunity to address the Academic Progress Committee regarding dismissal. Once the decision has been made, the student may appeal in writing to the Executive Vice President of Academic and Clinical Affairs, whose decision is final. While pending appeal for dismissal, a student may not attend any classes or clinical rotations. Students dismissed will not be readmitted to the college under any circumstances. At any time of the program, SCNM reserves the right to dismiss a student when his or her academic record is deemed unsatisfactory. Likewise, a student whose total record shows considerable ability and marked improvement may be given special consideration.

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# NOTES





# NOTES



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