

**National College of Natural Medicine**  
**COURSE INFORMATION FOR STUDENTS**

<b>Course Number/Quarter/Year</b>	PHM 621 Winter 2015
<b>Course Title</b>	Minor Surgery 1
<b>Credits</b>	2 .5
<b>Class Time and Location Room 226</b>	<b>Chamberlin:</b> Tues: 11:00-1:50 <b>DeLapp:</b> Mon: 3:00-5:50; Tues: 8:00-10:50 <b>Kruschwitz:</b> Wed: 11:00-1:50, 2:50-5:20; Thurs: 11:00-1:50
<b>Instructor (s)</b>	<b>Ryan Chamberlin, DO</b> <b>Daniel DeLapp, DC,ND,MSOM</b> <b>Dohn Kruschwitz, MD, ND</b>
<b>Faculty Office Hours</b>	<b>Chamberlin:</b> by appointment only <b>DeLapp:</b> by appointment only <b>Kruschwitz:</b> Mon: 1:00-2:00; Thurs: 2:30-3:30; Fri: 9:30-11:30
<b>Phone and E-mail</b>	<a href="mailto:rchamberlin@ncnm.edu">rchamberlin@ncnm.edu</a> 503 552 1968 <a href="mailto:ddelapp@ncnm.edu">ddelapp@ncnm.edu</a> 503-552-1783 <a href="mailto:dkruschwitz@ncnm.edu">dkruschwitz@ncnm.edu</a>

- Students are responsible for knowing and adhering to academic policies and procedures as outlined in the Student Handbook.
- Students are responsible for completing electronic assessments, which will be posted near the end of the quarter.

This syllabus contains information all students must read to understand the requirements of the course. Answers to most questions about the class can be found in this document.

### 1. Course Overview

Course Description: The students will understand the basics of performing minor surgery in an office setting including setting up and equipping a minor surgery suite, proper selection and caution in selecting and using anesthetics, removal of lesions, suturing techniques, wound care, report writing, coding and possible complications of surgery.

Prerequisites: Third year standing and CLS 510/520/530

### 2. Student Competencies from this Course

Communication Skills: This course will help develop the ability to ask appropriate questions effectively to the patient and medical peers.

Critical Thinking: This course will require the student to develop critical thinking skills regarding the patient symptoms, type of lesion(s) and methods of removal. The student will also learn to be flexible in treatment modalities and patient interactions.

Professional Behavior: This course emphasizes professional behavior in all patient and medical peer interactions before, during and after the surgery or consult.

Naturopathic Philosophy: This course utilizes current medical procedures and thoughts in surgery but also adds naturopathic concepts in dealing with the patient's need for surgery and addresses naturopathic alternatives wherever appropriate

### 3. Assessments

Practical suturing final, written midterm and final exam and take-home test

### 4. Course Outcomes

At the end of this course, the student will be able to:

- Obtain an appropriate history relative to the patient's lesion(s) to determine if surgery is appropriate and safe for this patient.
- Use alternative procedures to surgery to treat patient's condition prior to suggesting surgery
- Properly set up and equip a minor surgery suite
- Demonstrate an understanding of the proper selection and use of anesthetics for surgery
- Develop competency in performing **various non-sterile, minor surgical procedures on live patients.**
- **NOTE THIS CHANGE: No sterile minor surgical procedures on live patients will be performed in this class!**
- Demonstrate competency in suturing wounds and incisions on pigs' feet.
- Demonstrate competency in minor surgery report writing for charting and referrals.

### 5. Organization and Requirements

The course will meet in one 3 hour session per week for lecture, discussion, surgery and suturing practice. Attendance is required for 80% of the lectures. Making up a missed class can usually be done in a different section that week with the prior approval of all class instructors. Completed take-home written tests are due at the beginning of class on week 10 for group discussion. The instructor will take note of whether the student has completed this test and has a passing grade and record it. There will be a written mid-term test the first hour of week 6 and written final the first hour of week 11. There will be a practical suturing test the first hour of week 11.

### 6. Instructional Philosophy

Because minor surgery is such a broad subject with possible life-threatening complications, the reading, understanding and integration of large amounts of information is critical to an understanding of surgery. This integration will have a direct application to patient care and your ability to perform medical techniques and procedures properly.

The course is set up to give the student a broad general theoretical approach to surgery as well as hands-on practical skills of suturing and performing surgical procedures on live patients. Both approaches together will give the student confidence in doing surgery.

### 7. Instructional Materials and Resources (texts or study aids)

Required Texts: None

Recommended Texts (some are available in the NCNM Library):

Wounds and Lacerations, Fourth Edition, Trott, 2003

Skin Surgery, A Practical Guide, Usatine and Moy, 1997

Minor Surgery, A Text and Atlas, John Brown, 2000 (out of print but still very good)

Surgery of the Skin, Robinson, et al., Elsevier/Mosby, 2008

## 8. Grading (Evaluation with Criteria for Passing and Honors)

- Completion of the take-home study questions to be turned in for credit (then returned to student) (20 pts); passing, 75%
- Practical suturing final (30 pts); passing, 75% or higher
- Written midterm and final exam will be 40 multiple choice and True/False questions on each test (25 points each – not cumulative); passing, 75% or higher **combined overall total for both tests.**
- **NOTE: Study questions listed at the beginning of each Power Point lecture are there as a learning tool! Written exam questions may or may not include material covered in these questions!**
- Passing grade 75% overall total score.
- Honors: completion of study questions by week 10, passing practical final, and 90% or better on average of the two written exams.
- **FR grades will not be given for this class.**

## 9. Study Strategies and Participation Expectations

Study is critical to your success in this course. This is a new and complex topic and there are many new concepts and terms to understand. This is a course where all the information is needed to identify the condition, perform surgery successfully, minimize complications and have an excellent outcome. It will be necessary for you to understand the Power Point slides, videos and lectures, not just memorize the information to be successful in this course. Reviewing all of the slides and videos before and after class, coming to class, participating in discussion, learning the various surgical “stitches”, and going over the material often will enhance your ability to succeed in this course.

Class participation is an important aspect of this course. Since this topic is broad and complex. Asking questions when unclear and bring up cases is important in being successful. **Practice is important; don't expect to be perfect at first try.**

## 10. General information

- a. **No food and drink is allowed in Minor Surgery Room 226 which is a Bio-hazard room.**
- b. **Required of you:**
  - Your attendance (be on time!) and full participation each week!
  - You to review the Power Point material and videos before class each week! (We will not be playing all of them during class!)
  - You to recruit potential patients (discuss and schedule with your instructor)
  - You to dispose of all pig's feet in the **gray general waste container only!**
- c. **Provided by NCMN:**
  - Pig's feet
  - Gloves
  - Protective Glasses
  - Masks as needed
  - Suture material and needles
  - Sharps containers for suture needles and scalpels
  - Individual suture kits covered by an NCMN assessed fee and distributed in class Week 2

**NOTE: Some Power Point documents are large and it may take several minutes to download them! BE PATIENT!**

## Class Schedule

Date	Topic	Instructors	Reading Assignment
Week 1	Review syllabus; Overview of Minor Surgery Equipment and Supplies Video of Removal of Lipoma in Honor of Robert Wilson, ND Practice Donning Sterile Surgical Gloves	Kruschwitz DeLapp Chamberlin	Review Power Point slides, consider the study questions, and view referenced videos
Week 2	Sterilization, Autoclaves, Antisepsis, and Sterile Technique <b>Suturing</b> - Simple Interrupted Suture and Instrument Tie	Kruschwitz DeLapp Chamberlin	Review Power Point slides, consider the study questions, and view referenced videos
Week 3	Report Writing, Record Keeping, Forms Undermining Technique <b>Suture Removal</b> <b>Suturing</b> -Subcutaneous Stitch	Kruschwitz DeLapp Chamberlin	Review Power Point slides, consider the study questions, and view referenced videos
Week 4	Local Anesthetics Epinephrine and Sodium Bicarbonate <b>Suturing</b> - Vertical Mattress Stitch	Kruschwitz DeLapp Chamberlin	Review Power Point slides, consider the study questions, and view referenced videos
Week 5	Topical Anesthetics and Anaphylaxis <b>Suturing</b> - Horizontal Mattress Stitch	Kruschwitz DeLapp Chamberlin	Review Power Point slides, consider the study questions, and view referenced videos
Week 6	<b>MIDTERM EXAM (covers Weeks 1-5) – first 30 minutes of class – 30 multiple choice and T/F questions</b> Langer’s Lines, Wound Care Wounds and Tissue Healing: Phases and Methods <b>Suturing</b> – Running Stitch	Kruschwitz DeLapp Chamberlin	Review Power Point slides, consider the study questions, and view referenced videos
Week 7	Incision & Drainage, Lift and Snip, Shave Biopsy, Punch Biopsy, Elliptical Excision Technique, Freezing Techniques for Benign Lesions, Digital Nerve Block Techniques <b>Suturing</b> – Running Locking Suture	Kruschwitz DeLapp Chamberlin	Review Power Point slides, consider the study questions, and view referenced videos
Week 8	Wound Assessment and Repair, Dressings, Suture Removal (Review) <b>Suturing</b> – Three-Point Corner Stitch	Kruschwitz DeLapp Chamberlin	Review Power Point slides, consider the study questions, and view referenced videos
Week 9	Complications of Wound Healing <b>Suturing</b> - Four-Point Corner Stitch	Kruschwitz DeLapp Chamberlin	Review Power Point slides, consider the study questions, and view referenced videos
Week 10	<b>Take Home Test - Review, discussion, self-grading and turning in for credit</b> <b>Suturing practice – no new sutures</b>	Kruschwitz DeLapp Chamberlin	Review all of the stitches we practiced this quarter
Week 11	<b>Final practical exam – first hour – perform 3 sutures types</b> <b>In addition to simple interrupted suture</b> <b>Non-cumulative written final exam (covers weeks 6-10)</b> <b>second hour - 30 multiple choice and T/F questions</b>	Kruschwitz DeLapp Chamberlin	
Week 12	<b>NO CLASS!</b>		