

The University of Texas at Arlington
College of Nursing
N5314 Invasive Procedures for Advanced Practice Nurses
Spring, 2015

Instructor(s):

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Clinical Instructor/Lead Teacher

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Clinical Instructor

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Section Information: NURS 5314 Sections 001-004

Time and Place of Class Meetings: Pickard Hall, Classroom number 223. Tuesdays 9am-5pm.

Description of Course Content: A theory and clinical procedures course designed for the Advanced Practice Nurse to acquire invasive skills and procedures in the clinical management of selected clients.

Other Requirements:

NURS 5334 or Certificate program standing.

1. Required laboratory attendance/participation (skills labs)
2. Exams (2)
3. Evidence Based Paper
4. Radiology on line assignments
5. Coding on-line course, "The Basic E/M Coding Curriculum."

Student Learning Outcomes: Upon completion of the course, the student will be able to:

1. Interpret invasive monitoring and/or diagnostic test data.
2. Document skill performance and patient responses.
3. Analyze patient selection criteria, pathophysiology, and indications/contraindications when performing invasive skills and therapies.
4. Perform and select diagnostic and therapeutic procedures based on patient assessment criteria.
5. Analyze research findings and health care organization practices related to invasive procedures

Required Textbooks and Other Course Materials:

1. Pfenninger, J., Fowler, G. (2010). *Procedures for Primary Care Physicians*. (3rd ed.). Philadelphia, PA: Elsevier Mosby. **ISBN: 9780323052672**
2. Fischer, M., (2013). *Respiratory Nuts and Bolts*. American Respiratory Consulting Services. **ISBN: 9780982585610**
3. Herring, W., (2011). *Learning Radiology: Recognizing the Basics*. (2nd ed.). Philadelphia PA: Elsevier Mosby. **ISBN: 9780323074445**
4. Wesley, K. (2011). *Huszar's Basic Dysrhythmias and Acute Coronary Syndromes*. (4th ed.). Mosby/JEMS. **ISBN: 9780323039741 FNP, AGNP, and ACNP majors ONLY**
5. E/M University, “**The Basic E/M Coding Curriculum,**” available at www.emuniversity.com (Peter Jensen, E/M University). Click on the course link on the home page. **Each student must register and pay a \$21.99 course fee.**

Recommended Textbooks:

1. Adams, G., Bresnick, S. (2006). *On Call Procedures*. (2nd ed.). Saunders. **ISBN: 9781416024446**
2. Irwin, R., Rippe, J., Lisbon, A., Heard, S., (2011). *Irwin & Rippe's Procedures, Techniques and Minimally Invasive Monitoring in Intensive Care Medicine*. (5th ed.). Philadelphia, PA: Lippincott Williams & Wilkins. **ISBN: 9781451146813 - ACNP majors ONLY**
3. Roberts, J., Custalow, C.B., Thomsen, T.W.. (2014). *Clinical Procedures in Emergency Medicine*. (6th ed.). Philadelphia, PA: Saunders Elsevier. **ISBN: 9781455706068**

Descriptions of major assignments and examinations with due dates:

| Assignment | Percentage | Due |
|------------------------------------|-------------------|-----------------|
| Exam #1 | 25% | March 3 |
| Exam #2 | 25% | May 12 |
| Evidence Based Paper | 30% | March 24 |
| Online Coding Certificate | Pass/Fail | March 3 |
| Herring Radiology Modules | Pass/Fail | March 3, May 12 |
| Attendance/Class/Lab Participation | 20% | |
| TOTAL | 100% | |

Grading Policy: Students are expected to keep track of their performance throughout the semester and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels.

Course Grading Scale

A = 92 to 100

B = 83 to 91

C = 74 to 82

D = 68 to 73 – cannot progress

F = below 68 – cannot progress

Course grades are NOT be rounded up (91.99 = B)

Grade Grievances: Any appeal of a grade in this course must follow the procedures and deadlines for grade-related grievances as published in the current University Catalog.
<http://catalog.uta.edu/academicregulations/grades/#graduatetext>.

Make-up Exams: Please contact Lead Teacher for make up exam arrangements. Upon approval from your faculty, you need to schedule an appointment with Sonya Darr at sdarr@uta.edu. Please allow a 24 hour advance notice when scheduling.

Expectations of Out-of-Class Study: Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional 6-9 hours per week on their own time in course-related activities, including reading required materials, completing assignments, preparing for exams, etc.

Attendance: At The University of Texas at Arlington, taking attendance is not required. Rather, each faculty member is free to develop his or her own methods of evaluating students' academic performance, which includes establishing course-specific policies on attendance.

As the instructor of this section, I have established the following attendance policy: 20% of grade is based on attendance and participation in on campus classes/labs. Sign in for on campus required classes/labs is required. See detailed policy attached to this syllabus.

Drop Policy: Graduate students who wish to change a schedule by either dropping or adding a course must first consult with their Graduate Advisor. Regulations pertaining to adding or dropping courses are described below. Adds and drops may be made through late registration either on the Web at MyMav or in person through the student's academic department. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. Contact the Office of Financial Aid and Scholarships at <http://wweb.uta.edu/aao/fao/>. The last day to drop a course is listed in the Academic Calendar available at <http://www.uta.edu/uta/acadcal.php?session=20146>

1. A student may not add a course after the end of late registration.
2. A student dropping a graduate course after the Census Date but on or before the end of the 10th week of class may with the agreement of the instructor, receive a grade of W but only if passing the course with a C or better average. A grade of W will not be given if the student does not have at least a C average. In such instances, the student will receive a grade of F if he or she withdraws from the class. Students dropping a course must:
 - (1) Contact course faculty to obtain permission to drop the course with a grade of "W".
 - (2) Contact your graduate advisor to obtain the form and further instructions.

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| <p style="text-align: center;">Census Day: February 4, 2015 Last day to drop or withdraw: April 3, 2015</p> |
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Americans with Disabilities Act: The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA)*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the

instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

Title IX: The University of Texas at Arlington is committed to upholding U.S. Federal Law “Title IX” such that no member of the UT Arlington community shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. For more information, visit www.uta.edu/titleIX.

Academic Integrity: All students enrolled in this course are expected to adhere to the UT Arlington Honor Code:

I pledge, on my honor, to uphold UT Arlington’s tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted.

Per UT System Regents’ Rule 50101, §2.2, suspected violations of university’s standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with the University policy, which may result in the student’s suspension or expulsion from the University.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts."

As a licensed registered nurse, graduate students are expected to demonstrate professional conduct as set forth in the Texas Board of Nursing rule **§215.8. in the event that a graduate student holding an RN license is found to have engaged in academic dishonesty, the college may report the nurse to the Texas BON using rule §215.8 as a guide.**

Plagiarism: Copying another student’s paper or any portion of it is plagiarism. Copying a portion of published material (e.g., books or journals) without adequately documenting the source is plagiarism. Consistent with APA format, if five or more words in sequence are taken from a source, those words must be placed in quotes and the source referenced with author’s name, date of publication, and page number of publication. If the author’s ideas are rephrased, by transposing words or expressing the same idea using different words, the idea must be attributed to the author by proper referencing giving the author’s name and date of publication. If a single author’s ideas are discussed in more than one paragraph, the author must be referenced, according to APA format. Authors whose words or ideas have been used in the preparation of a paper must be listed in the references cited at the end

of the paper. Students are expected to review the plagiarism module from the UT Arlington Central Library via <http://library.uta.edu/plagiarism/index.html>

Student Support Services: UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to resources@uta.edu, or view the information at www.uta.edu/resources.

Electronic Communication: UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. **All students are assigned a MavMail account and are responsible for checking the inbox regularly.** There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

If you are unable to resolve your issue contact the Helpdesk at helpdesk@uta.edu.

Student Feedback SurveyAt the end of each term, students enrolled in classes categorized as lecture, seminar, or laboratory shall be directed to complete a Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student's feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

Final Review Week: A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the class syllabus*. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

Emergency Exit Procedures: Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist individuals with disabilities.

Librarian to Contact:

Peace Williamson, *Nursing Librarian*

Phone: (817) 272-7433

E-mail: peace@uta.edu

Research Information on Nursing:

<http://libguides.uta.edu/nursing>

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| Library Home Page | http://www.uta.edu/library |
| Subject Guides..... | http://libguides.uta.edu |
| Subject Librarians | http://www.uta.edu/library/help/subject-librarians.php |
| Database List | http://www.uta.edu/library/databases/index.php |
| Course Reserves | http://pulse.uta.edu/vwebv/enterCourseReserve.do |
| Library Catalog | http://discover.uta.edu/ |
| E-Journals..... | http://liblink.uta.edu/UTAlink/az |
| Library Tutorials | http://www.uta.edu/library/help/tutorials.php |
| Connecting from Off- Campus..... | http://libguides.uta.edu/offcampus |
| Ask A Librarian..... | http://ask.uta.edu |

The following URL houses a page where we have gathered many commonly used resources needed by students in online courses: <http://www.uta.edu/library/services/distance.php>

UTA College of Nursing - Additional Information

Status of RN Licensure: All graduate nursing students must have an unencumbered license as designated by the Texas Board of Nursing (BON) to participate in graduate clinical nursing courses. It is also imperative that any student whose license becomes encumbered by the BON must immediately notify Dr. Mary Schira, College of Nursing, Associate Dean- Department of Advanced Practice Nursing. The complete policy about encumbered licenses is available online at: www.bon.state.tx.us

MSN Graduate Student Dress Code: The University of Texas at Arlington College of Nursing expects students to reflect professionalism and maintain high standards of appearance and grooming in the clinical setting. **Clinical faculty has final judgment on the appropriateness of student attire and corrective action for dress code infractions. Students not complying with this policy will not be allowed to participate in clinical.**

Please View the College of Nursing Student Dress Code on the nursing website: <http://www.uta.edu/nursing/msn/msn-students> .

UTA Student Identification: MSN Students **MUST** be clearly identified as UTA Graduate Students and wear a UTA College of Nursing ID in the clinical environment.

Blood and Body Fluids Exposure: A Health Verification form was signed by all MSN students at start of the program documenting personal health insurance coverage. All MSN students have mandatory health insurance and will need to manage exposure to blood and fluids. Current CDC guidelines can be found at: <http://www.cdc.gov/>

Confidentiality Agreement: You signed a Confidentiality Form in orientation and were provided a copy of the form. Please take your copy of this Confidentiality Form with you to your clinical sites. Please do not sign other agency confidentiality forms. Contact your faculty if the agency requires you to sign their confidentiality form.

Graduate Student Handbook: Students are responsible for knowing and complying with all policies and information contained in the Graduate Student handbook online at:
<http://www.uta.edu/nursing/msn/msn-students>

Student Code of Ethics: The University of Texas at Arlington College of Nursing supports the Student Code of Ethics Policy. Students are responsible for knowing and complying with the Code. The Code can be found in the student handbook online: <http://www.uta.edu/nursing/msn/msn-students>

No Gift Policy: In accordance with Regent Rules and Regulations and the UTA Standards of Conduct, the College of Nursing has a “no gift” policy. A donation to one of the UTA College of Nursing Scholarship Funds, found at the following link: is <http://www.uta.edu/nursing/student-resources/scholarship> would be an appropriate way to recognize a faculty member’s contribution to your learning. For information regarding Scholarship Funds, please contact the Dean’s office.

Online Conduct: The discussion board should be viewed as a public and professional forum for course-related discussions. Students are free to discuss academic matters and consult one another regarding academic resources. The tone of postings should be professional in nature. It is not appropriate to post statements of a personal or political nature, or statements criticizing classmates or faculty. Inappropriate statements/language will be deleted by the course faculty and may result in denied access to the Discussion boards. Refer to UTACON Student Handbook for more information.

For this course Blackboard communication tools, and UTA MAV email will be used extensively and should be checked often.

Writing Center: The Writing Center provides the workshops below to help guide graduate students through the demands of writing at the graduate level. In order to sign up for workshops, students must register with the Writing Center at <http://uta.mywconline.com/>. Workshops are listed on the regular appointment schedule. If you experience any difficulty signing up for any of these, please call (817)272-2601 and one of our staff will be happy to assist.

All Workshops hosted by the Writing Center are held in 411 Central Library and are offered at 6 p.m. on Mondays, Tuesdays, Wednesdays or Thursdays. These are not recorded and are not available online.

Department of Advanced Practice Nursing

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| <p>Mary Schira, PhD, RN, ACNP-BC Associate Dean and Chair; Graduate Advisor Email: sCollegeofNursingra@uta.edu</p> | <p>Rose Olivier, Administrative Assistant I Office # 605-Pickard Hall, (817) 272-9517 Email: olivier@uta.edu</p> |
| <p>Sheri Decker, Assistant Graduate Advisor Students: A-J Office # 611-Pickard Hall, (817) 272-0829 Email: sdecker@uta.edu</p> | <p>Janyth Arbeau, Clinical Coordinator Office # 610- Pickard Hall, (817) 272-0788 Email: Arbeau@uta.edu or npclinicalclearance@uta.edu</p> |
| <p>Luena Wilson, Graduate Advisor I Students: K-Z Office # 613-Pickard Hall, (817) 272- 4798 Email: lvwilson@uta.edu</p> | <p>Kimberly Hodges, Support Specialist II Office #612 Pickard Hall, (817) 272-9373 E-mail: khodges@uta.edu or npclinicalclearance@uta.edu</p> |
| <p>Sonya Darr, Support Specialist I Office # 609-Pickard Hall, (817) 272-2043 Email: sdarr@uta.edu</p> | <p>Timara Spivey, Admissions Assistant Office # 606, Pickard Hall (817) 272-4796 Email: tspivey@uta.edu or npadmasst@exchange.uta.edu</p> |

Emergency Phone Numbers: In case of an on-campus emergency, call the UT Arlington Police Department at 817-272-3003 (non-campus phone), 2-3003 (campus phone). You may also dial 911.

Additional Course Documents

Refer to Blackboard for Additions/Updates

- 1. Attendance Policy**
- 2. Individual Class/Lab Objectives and Required Reading List**
- 3. Instructions for Radiology Assignments**
- 4. Instructions/Grading Rubric for Evidence Based Paper**
- 5. Instructions for Coding Assignment**
- 6. Detailed Draft Course Schedule**

N5313/N5314
Course Attendance Criteria

- **This component of the course grade is designated for attendance AND participation in laboratory exercises.**
- **Attendance will be taken for each morning and afternoon class/laboratory session. It is the student's responsibility to sign in on time for each class session. Excessive tardiness will result in the deduction of attendance points.**
- **Attendance at every class session is required; if a student cannot come to class, the student is expected to communicate with the Faculty concerning a reason for absence. Students are responsible for obtaining class notes from a colleague. Course Faculty will determine if the reason for absence is excused or unexcused. Unexcused absences: 3 attendance points will be deducted from the course grade for each class session missed.**
- **Active participation in course labs is required. If Faculty determines a student is not participating, attendance points will be deducted from the course grade.**
- **Selected classes have laboratory sessions with supervised check-off requirements. If a student misses a laboratory check-off, the student cannot complete the course until a make-up laboratory is successfully completed. Because of equipment and set up procedures, most labs cannot be made up in the current semester. The student will receive a course grade "Incomplete" and will be required to complete laboratory objectives in a future semester in order to resolve the Incomplete status and receive a final course grade.**
- **Check-off labs:**
 - **Basic Radiology**
 - **Suturing/Derm Procedures**
 - **Circulation procedures (5314)**
 - **Respiratory procedures (5314)**
 - **Splinting/Musculoskeletal Skills**
 - **Surgical Asepsis -OR Skills (5314)**
 - **Others, as assigned (5313/5314)**

revised: 12/14

N5313/N5314

Class Content Objectives/Readings

Key to Reading abbreviations (from Syllabus, Required and Optional Textbooks List)

Campo and Lafferty: *Essential Procedures for Practitioners in Emergency, Urgent, and Primary Care Settings* (only on the 5313 Optional textbooks list)

Fischer: Fischer, M., (2013). *Respiratory Nuts and Bolts*. American Respiratory Consulting Services. ISBN: 9780982585610 (only on the 5314 textbook list)

Herring: Herring, W. *Learning Radiology: Recognizing the Basics*. 2nd ed. 2012

Huzar: Wesley, Keith. *Huszar's Basic Dysrhythmias: Interpretation & Management*. 4th ed. 2012

Pfenninger and Fowler: Pfenninger, John L. and Fowler, Grant C. *Procedures for Primary Care*. 3rd ed. 2011

Roberts and Hedges: *Clinical Procedures in Emergency Medicine*, 5th ed. 2010

Procedures Consult: A video based book, accessed through UTA Library:

<http://libguides.uta.edu/pc>

Alphabetized Class Objectives, Readings/Videos, and Learning Activities

(Refer to Schedule for Class Topics)

Advanced EKG Analysis

- Analyze a 12 lead EKG for common elements associated with advanced EKG diagnosis (myocardial ischemia, injury, infarction; hypertrophy, axis deviation, bundle branch blocks, etc.)
- Apply knowledge of the heart's conduction system by interpreting examples of abnormal EKG's

Prerequisite for this class:

Students are expected to have knowledge of basic EKG analysis and arrhythmias. Review optional resources if you need assistance.

| Required Reading | Optional Resources |
|---|--|
| Huzar: 11: The 12 Lead Electrocardiogram 12: Electrical Axes and Vectors 13: Bundle Branch Blocks and Fascicular Blocks, pp.207-219 15: Other Assorted ECG Findings: Rt and Lt Atrial Enlargement; Ventricular Hypertrophy, pp.236-243 16: Acute Coronary Syndrome <ul style="list-style-type: none"> • Coronary Circulation, pp259-261 • Coronary Heart Disease, pp261-262 • Myocardial Ischemia, Injury, Infarction pp 266-267 • Acute Coronary Syndromes, pp 267-268 • Acute Myocardial Infarction, pp 268-279 17: Diagnostic EKG Changes in Specific Myocardial Infarctions | Review Huszar, Chapters 1-10 as needed. Review Pfenninger and Fowler, Chapter 89 <i>There are many other good books and websites for EKG review:</i> Dubin D. (2007), <i>Rapid Interpretation of EKGs</i> www.theMDsite.com Aehlert, B. (2009) <i>ECGs Made Easy</i> . |

Basic Radiology

- Select appropriate procedures based on patient condition
- Demonstrate ability to read X-Rays of common chest, abdomen and musculoskeletal problems.

| Required Reading/Activity | Optional Resources |
|---|--|
| <p>Herring, 2nd Edition, Chapters 1,2,3,4, 5,6,7,8,9,13,14,15,16,22</p> <p>In the 2nd edition of Herring, there is an additional emphasis on CT, MRI, and ultrasound. Our focus for the class is plain film x-rays; especially pay attention to the sections in the chapters dealing with plain x-ray films.</p> | <p>Pfenninger and Fowler, Chapter 231</p> <p>* Helpful web pages links –locate teaching files from these links/files (links change frequently; we do not guarantee all are currently available):</p> <p>http://eradiology.bidmc.harvard.edu/ (Lieberman)</p> <p>http://www.hawaii.edu/medicine/pediatrics/pemxray/v4c05.html</p> <p>http://www.urmc.rochester.edu/smd/rad/</p> <p>http://www.rad.washington.edu/</p> <p>http://www.med-ed.virginia.edu/courses/rad/ (Univ. of Va)</p> <p>MDChoice.com/x-ray/xr.asp and MDChoice.com/pediatric/pediatric.asp (MDChoice.com)</p> <p>http://radiology.medicine.iu.edu (Indiana Univ.)</p> <p>www.omed.pitt.edu (Univ. of Pittsburgh)</p> <p>www.rad.washington.edu (Univ. of Washington Dept. of Radiology)</p> <p>http://www.xmarks.com/site/sprojects.mmip.mcgill.ca/radiology/ (Radiologic Anatomy)</p> <p>http://gentili.net (Dr. A. Gentili, UCLA Dept. of Radiological Sciences)</p> <p>http://www.auntminnie.com/index.aspx?sec=def</p> <p>http://www.radiologytutorials.com/</p> <p>http://bubbasoft.org/radiologic-anatomy</p> <p>http://www.sonosite.com/education (for ultrasound education)</p> |

Circulation Procedures and Lumbar Puncture/Surgical Asepsis

- Identify anatomic landmarks for insertion of central vessel access and external jugular, and umbilical vessel access.
- Demonstrate Seldinger technique for vascular access.
- Demonstrate aseptic technique in performing procedures.
- Demonstrate vessel access and lumbar puncture procedures.
- Demonstrate intraosseous infusion access procedure.
- Demonstrate chest thoracostomy procedure

| Required Reading/Activity | Optional Resources |
|---|---|
| <p>All students: Pfenninger and Fowler: Chaps 198,206,208, 211,212</p> <p>ACPNP/: add to above chapters 182,184</p> <p>Review the following Procedures Consult videos BEFORE class/lab:</p> | <p>Roberts and Hedges:</p> <p>All students: Chapters 10, 20,22,25, 61</p> <p>ACPNP/: Chapter 19</p> <p>Procedures Consult</p> <p>Needle Thoracostomy (Emergency Medicine)</p> |

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| Central Venous Catheterization: Femoral Approach (Internal Medicine) Central Venous Catheterization: Internal Jugular Approach (Internal Medicine) Central Venous Catheterization: Subclavian Approach (Internal Medicine) Intraosseous Infusion & Placement (Emergency Medicine) Lumbar Puncture (Family Medicine) Tube Thoracostomy (Emergency Medicine) | |
|--|--|

Coding and Acute Care Coding

- Apply appropriate coding for evaluation and management and selected clinical procedures
- Develop competencies utilizing the current coding system in clinical practice

| Required Reading | Optional Resources |
|---|---|
| <p>E/M University, “The Basic E/M Coding Curriculum,” available at www.emuniversity.com (Peter Jensen, E/M University). Click on the course link on the home page. <i>Each student must register and pay a \$21.99 course fee.</i></p> <p>Buppert, C. (2007) Billing for nurse practitioner services-update 2007: guidelines for NPs, physicians, employers, and insurers. www.medscape.com/viewprogram/7767</p> <p><i>For Acute Care Specialty/Hospital Based Coding Class:</i> Hull-Grommesh, L., Ellis, E., Mackey, TA (2010). Implications for cardiology nurse practitioner billing: a comparison of hospital versus office practice. <i>Journal of the American Academy of Nurse Practitioners.</i> 22:288-291.</p> | <p><i>For Acute Care Specialty/Hospital Based Coding class:</i> Buppert, C. (2006) Billing physician services provided by nurse practitioners in specialists’ offices, hospitals, nursing facilities, home hospice. Chapter 3. Annapolis: author</p> <p>Buppert, C. (2009) Billing issues for nurse practitioners who provide inpatient services. <i>Topics in Advanced Practice ejournal.</i> 9(1).</p> |

EENT Skills

- Demonstrate the correct use of selected ENT instruments and procedures to evaluate common problems in the eye, ear, nose, and throat.
- Perform screening tympanometry testing

| Required Reading | Optional Resources |
|--|--|
| <p>Pfenninger and Fowler, Chapter 66, 67, 68, 72, 75, 76, 78</p> <p>View the following Procedures Consult videos BEFORE class/lab: Cerumen Removal (Emergency Medicine) Epistaxis Management (Internal Medicine)</p> | <p>Campo and Lafferty, Chapters 25, 26, 27, 28,29,</p> |

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| Irrigation of the Eye (Internal Medicine) Measurement of Intraocular Pressure: Tono-Pen Technique (Emergency Medicine) Throat Swab (Emergency Medicine) | |
|---|--|

Hemodynamic Monitoring

- Interpret hemodynamic monitoring data.
- Discuss common problems with hemodynamic lines

| Required Reading | Optional Resources |
|--|---|
| Pfenninger and Fowler, Chapter 215 Review any critical care or hemodynamic monitoring resource program that describes/explains hemodynamic monitoring procedures. Suggestions are in Course Materials | Reich, H. (2011) Pulmonary artery catheterization. In Irwin, R, Rippe, J., Lisbon, A., Heard, S. (Eds). <i>Procedures, Techniques, and Minimally Invasive Monitoring in Intensive Care Medicine</i> , 5 th Ed, pp 48-65. Philadelphia: Wolters Kluwer Lippincott Procedures Consult Video Pulmonary Artery Catheterization (Internal Medicine) |

Microscopy

- Discuss NP scope of practice when utilizing microscopy skills.
- Describe CLIA regulations as applied to outpatient care practice.
- Identify various microorganisms on microscopy examples.
- Identify common microscopy findings in spun urine samples.

| Required Reading | Optional Resources |
|----------------------------------|--------------------------------|
| Pfenninger & Fowler, Chapter 160 | Roberts and Hedges, Chapter 68 |

Noninvasive and Invasive Imaging

- Apply understanding of how to choose proper imaging tests
- Demonstrate appropriate choices relative to particular testing needs in select patients
- Recognize indications and contraindications of selected non-invasive and invasive imaging tests

| Required Readings | Optional Resources |
|-------------------------------|--|
| Herring, Chap. 10, 11, 19, 20 | Procedures Consult video Introduction to Bedside Ultrasound |

Pediatric Radiology

- Compare pediatric and adult anatomic landmarks on chest radiographs
- Determine common line and tube placements on selected pediatric radiographs
- Understand the radiographic concept of silhouetting.
- Describe selected pathology on chest radiographs

| Required Readings | Optional Resources |
|-------------------|---|
| None | http://www.med-ed.virginia.edu/courses/rad |

| | |
|--|------------------------------|
| | • Pediatric radiology module |
|--|------------------------------|

Procedure Documentation

- Discuss guidelines for pre-procedure notes, consents and procedure notes.

| Required Reading | Optional Resources |
|---|--------------------|
| Pfenninger and Fowler, Appendix B, Appendix C, Appendix J | |

Pulmonary Function Testing

- Examine and compare the different inhaler devices that are currently available in the United States.
- Discriminate between obstructive and restrictive pulmonary function tests.
- Assess spirometry tracings and describe the results.

| Required Reading | Optional Resources |
|-----------------------------------|-------------------------------|
| Pfenninger and Fowler, Chapter 91 | Roberts and Hedges, Chapter 2 |

Respiratory Procedures

- Identify indications for insertion of artificial airways.
- Select pharmacologic agents used in insertion of artificial airways
- Demonstrate intubation procedures.

| Required Readings | Optional Resources |
|--|--|
| Pfenninger and Fowler, Chapters 213 Procedures Consult Assignment will be in located in Course Materials for this class. View the following Procedures Consult videos BEFORE class/lab: Bag Mask Ventilation (Emergency Medicine) Basic Airway Management (Emergency Medicine) Laryngeal Mask Airway Insertion Orotracheal Intubation: Basic Technique Pediatric Basic Airway Management (Emergency Medicine) | Roberts and Hedges, Chapters 2,3,4 ,5 Procedures Consult Videos Thoracentesis (Family Medicine) Review Herring textbook Chapter 12 Recognizing Correct Placement of Lines and Tubes page 99 - 100 |

Splinting/Musculoskeletal Procedures

- Demonstrate the application of various splints and orthopedic appliances to upper and lower extremities.
- Review indications and potential complications of splints
- Determine post application care and discharge teaching priorities
- Demonstrate joint aspiration/injection techniques

| Required Reading | Optional Resources |
|---|--------------------------------------|
| Pfenninger and Fowler, Chapters 186,187,188, 192, 193 | Campo and Lafferty, Chapter 33,34,39 |

| | |
|---|--|
| View the following Procedures Consult videos BEFORE class/lab: Arthrocentesis: Elbow (Internal Medicine) Arthrocentesis: Knee (Internal Medicine) Arthrocentesis: Shoulder (Internal Medicine) Compartment Syndrome Evaluation (Emergency Medicine) General Splinting Techniques (Internal Medicine) | Procedures Consult videos Coaptation Splint (Internal Medicine) Dislocation Reduction of the PIP and DIP Joints (Internal Medicine) Ulnar Gutter Splint (Internal Medicine) |
|---|--|

Suturing/Derm. Procedures

- Demonstrate skills in simple suturing techniques and local anesthesia.
- Apply knowledge to incise and drain infected abscesses.
- Perform simple shave, excision and punch biopsies
- Apply knowledge to perform toenail removal procedure

| Required Readings/Activity | Optional Resources |
|--|--|
| Pfenninger & Fowler: Chapters 4, 5, 8, 10, 20, 21, 22, 23, 24, 25, 29, 32, 34, 35, 37, 42, Appendix A View the following Procedure Consult videos BEFORE class/lab: Basics of Wound Management Cryosurgery Digital Nerve Block (Internal Medicine) Incision and Drainage of an Abscess Incision and Drainage of Cutaneous Abscesses (Internal Medicine) Laceration Repair: Simple Interrupted Sutures (Emergency Medicine) Local Anesthesia (Internal Medicine) Excisional Biopsy (Family Medicine) Punch Biopsy (Family Medicine) Shave Biopsy Stapling Devices (Internal Medicine) Wart Treatment | Campo & Lafferty, Chapters 5, 7, 14,16, 20 21, 45 Procedures Consult videos Bartholin’s Gland Cyst – Word Catheter V-Y Flap Closure |

Ventilator Management

- Identify the pros/cons, uses, indications of ventilator modes
- Analyze control and support types of ventilator modes
- Analyze ABGs and make ventilator setting adjustments, using case studies

| Required Reading | Optional Resources |
|--|---|
| Fischer, pp. 1-40 Pfenninger and Fowler, Chap 207 | Refer to any critical care text that describes/explains oxygen therapies, ABG analysis, and ventilator management. Procedures Consult video Arterial Blood Gas Sampling (Internal Medicine) |

Wound Care

- Review type of chronic wounds and staging criteria
- Evaluate and treat common chronic dermatological wounds
- Review proper wound debridement technique

| Required Reading | Optional Resources |
|--|--------------------|
| Pfenninger & Fowler, Chapter 44, 45, 222 | |

sd: 12/14

N5313/5314 RADIOLOGY ON LINE ASSIGNMENTS

Faculty Coordinator for this assignment: Sara Duvall (duvall@uta.edu)

The radiology tutorial website is associated with your Herring *Learning Radiology* (2nd edition) textbook: www.studentconsult.com

You will need a NEW copy. Follow the directions on the inside of the book cover to register your book to the online service. After registering your book, click the READ tab and click on the Learning Radiology textbook. Scroll down on the left to find the Chapter Quizzes and Anatomy Quizzes under Assessemnts.

You will need to allow at least 60 minutes to complete these assignments.

Student CONSULT

Learning Radiology: Recognizing the...

Search

Chapter 24-Recognizing Some Common Causes of Neck and Back Pain

Chapter 25-Recognizing Abnormal Head CT Findings

Chapter 1 Quiz

Chapter 2 Quiz

Chapter 3 Quiz

Chapter 4 Quiz

Chapter 5 Quiz

Chapter 6 Quiz

Chapter Quizzes

Question 1

This frontal chest radiograph of a 73-year-old woman demonstrates the five basic radiographic densities visible on conventional radiography: air, fat, fluid or soft tissue, calcium or bone, and metal. The arrows are pointing to which of these five radiographic densities?

AP UPRIGHT

100% Complete

| | |
|--------------|-----------|
| Correct | 10 |
| Wrong | 0 |
| Unanswered | 0 |
| Total | 10 |

Notes 0

ADD NOTE +

ELSEVIER | inking

Student CONSULT

Learning Radiology: Recognizing the...

Search

Shoulder

Humerus

Elbow

Chest

TEST YOURSELF

Answer choices include: Anterior first rib, Anterior 6th rib, Cardiac apex, Clavicle, Costophrenic recess (angle), Hilum, Posterior 6th rib, Right hemidiaphragm, Scapula, Trachea.

Notes 0

ADD NOTE +

ELSEVIER | inking

The chapter and anatomy quizzes are excellent to test your understanding of the required reading content and relevant anatomy. You may want to print some of the quiz x-rays such as the chest x-ray to create a reference to use in the clinical setting, but this is not required for this course. You will need to complete the following chapter and anatomy quizzes before the first and second exams. Be aware that the book chapter text may not match the chapter quiz.

To be completed by ALL MAJORS before TEST 1

| CHAPTER QUIZZES | ANATOMY QUIZZES |
|--|---|
| <ul style="list-style-type: none"> ○ 1 Recognizing Anything ○ 2 Technically Adequate ○ 8 Pneumonia ○ 15 Plain Abdomen ○ 16 Obstruction ○ 22 Fractures and Dislocations | <ul style="list-style-type: none"> ○ Abdomen ○ Chest ○ Elbow, Forearm ○ Wrist, Hand ○ Foot |

To be completed before TEST 2

FIND YOUR NP MAJOR BELOW AND COMPLETE THE QUIZZES

| FNP AND ANP/GNP | ACNP AND PNP/ACNP |
|--|--|
| CHAPTER QUIZZES | CHAPTER QUIZZES |
| <ul style="list-style-type: none"> ○ 3 Cardiomegaly ○ 4 Airspace vs Interstitial ○ 7 Pleural Effusions ○ 11 Congestive Heart Failure | <ul style="list-style-type: none"> ○ 3 Cardiomegaly ○ 4 Airspace vs Interstitial ○ 7 Pleural Effusions ○ 9 Pneumothorax ○ 11 Congestive Heart Failure ○ 12 Tubes and Lines |
| ANATOMY QUIZZES | ANATOMY QUIZZES |
| <ul style="list-style-type: none"> ○ Leg ○ Ankle | <ul style="list-style-type: none"> ○ C-Spine ○ Hip |

sd:12/14

University of Texas at Arlington
College of Nursing

N5313/N5314
Guidelines for Evidence Based Practice Paper

Faculty Coordinator for this Assignment: Lindy Moake (moake@uta.edu)

Purpose: The purpose of this short paper (3-5 pages) is to discuss current evidence based practice in a specific aspect of skill directed care in the health care delivery environment.

Content: Select a skill based protocol/procedure from your work setting, from National Guideline Clearinghouse OR write a skill based protocol/procedure found in a reference.

Topics:

5313: Wound management. (Examples: laceration preparation, wound closure techniques, local anesthesia for lacerations, wound debridement, etc.)

5314: Airway management. (Examples: rapid sequence intubation, alternative airway management-laryngeal mask airway, blind intubation, fiberoptic intubation, Kingtube®, surgical airways, securing ETTs)

For the selected protocol/procedure summarize and evaluate 2 research studies that support the protocol/procedure.

Criteria/Grading: Use the grading criteria rubric to organize the paper. For each research article, discuss the following:

- a. Purpose/problem statement of the study
- b. Study design
- c. Study sample including appropriateness of sample to population of student's interest
- d. How data were collected including any apparent strengths or weaknesses related to data collection
- e. Results of the study
- f. Discussion of the results, including specifically how the results are integrated into the procedure/protocol.
- g. Organization of information, APA format.

Paper Submission (DO NOT SEND ELECTRONICALLY):

- Submit 1 hard copy of paper on due date (in class)
- Attach the selected protocol/procedure as an appendix to your paper
- Attach the 2 research articles.

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Student: _____
Date: _____

Faculty: _____
Grade: _____

**N5313/N5314 Invasive Procedures
Evidence Based Practice Paper Grading Criteria**

NOTE: This is a formal paper; use APA 6th edition for paper format and references.

_____ **Attach protocol/procedure appropriate to paper requirements**
(5 points)

_____ **Attach (2) research articles.**

Research Studies review of the 2 research studies and (at minimum) discuss the following: (90 points):

#1 #2

_____ _____ Purpose/problem statement of the study (15 points)

_____ _____ Study design (10 points)

_____ _____ Study sample including appropriateness of sample to population of student's interest. (10 points)

_____ _____ How data were collected including any apparent strengths/weaknesses related to data collection (20 points)

_____ _____ Results of the study (15 points)

_____ _____ Discussion of the results including specifically how the results are integrated into protocol/procedure. (20 points)

Organization; APA

_____ Organization of information, introduction/conclusion, APA format. (5 points)

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University of Texas at Arlington
College of Nursing

N 5313/N5314
Guidelines for Online Coding Assignment
“The Basic E/M Coding Curriculum”

Faculty Coordinator for this Assignment: Vicki Patrick (vpatrick@uta.edu)

- Purpose:** The purpose of this online assignment is to apply appropriate coding for evaluation and management of selected clinical procedures, and to develop competencies utilizing the current coding system in clinical practice.
- Content:** Complete the **“The Basic E/M Coding Curriculum,”** which can be found online at E/M University, located at <https://learn.emuniversity.com/course/category.php?id=36>. Each student must register as a user, and then purchase the *Basic E/M Coding Curriculum* course at a cost of **\$21.99**. This web-based coding course is approximately 60 minutes long and is the "core curriculum" of learning more about coding in the E/M educational series. In a step-by-step manner, you will learn everything you need to know about coding the key components of history, physical exam and medical decision-making related to coding. At the conclusion of this course, you will be required to complete an on line quiz.

Module Completion

Successful completion of this course requires a grade of > 70% on the quiz. You may retake the quiz until you achieve > 70%. Following successful course completion, a “Physician Completion Certificate” will become available on the course web site. Click the link, and the certificate will be sent electronically to your email. You must submit a paper copy of the “Physician Completion Certificate” to Vicki Patrick at the beginning of **Exam 1** for credit..

- Grading** This assignment is graded as Pass/Fail. Submission of the “Physician Completion Certificate” by the due date will earn a “Pass.” Failure to submit the “Physician Completion Certificate” at the beginning of Exam 1 will earn a “Fail.”

Failure to submit the certificate will result in a 5 point reduction in Exam 1.

N5313 and N5314 Course Class Schedule Spring, 2015

****To Determine YOUR Classes: Follow the Xs under YOUR NP Major****

12/17/14

Schedule Changes will be posted on Blackboard Schedule Link

| Date | Room | Topic | Content | 5313 | | | 5314 | | PNP & ACPNP dual majors |
|--|---------------------------|--|---|------|-------------|-----|------|-------------------------------|-------------------------|
| | | | | FNP | ANP/ GNP | PNP | ACNP | ACPNP (post-Masters cert.) | |
| Jan 20 9:00 | 223 | Course Introductions | | X | X | X | X | X | X |
| 10:00- <u>5:00</u> <u>Note time!</u> | 223 | Radiology | Chest, abdominal, bone x-rays | X | X | X | X | X | X |
| Jan 27 | No class on campus | Herring Radiology On Line Modules; E/M University Basic Coding | | X | X | X | X | X | X |
| | | BB Video Class: Acute Care Coding | Inpatient and specialty coding | | | | X | X | X |
| Feb 3 9-12; | 223 | Advanced EKG | Anatomy for 12 lead EKG, axis, hypertrophy, BBB | X | X | X | X | X | X |
| 1-3 | 223 | Adult EKG | Injury/infarct; drug effect | X | X | | X | | |
| 1-4 | 220 | Pediatric EKG | general/ advanced EKG for pedi | | | X | | X | X |
| Feb 10 9-4 | 223 | Derm Procedures and Suturing; Procedure Documentation | Wound preparation, Suture techniques, local anesthesia, biopsy techniques | X | X | X | X | X | X |

| Date | Room | Topic | Content | FNP | ANP/ GNP | PNP | ACNP | ACPNP (post- Masters cert.) | PNP & ACPNP dual majors |
|----------------|------------------------------|---|---|-----|-------------|-----|------|--------------------------------------|-------------------------------|
| Feb 17 9-12 | 223-Lecture Lab-LRC | Respiratory Procedures | Oral airways, LMA, Tracheal intubation | | | | X | X | X |
| 1-4 | 223 | Ventilator Mgmt | Oxygen delivery devices, vent modes/settings; pulse ox | | | | X | X | X |
| Feb 24 | | Hold date for rescheduled class if needed | | | | | | | |
| Mar 3 11-1 | Computer Labs 211 and 216 | Exam I | Coding Certificate Due! | X | X | X | X | X | X |
| 1:30-4 | 223 | Adult Hemodynamics | | | | | X | | |
| | 220 | Pedi Hemodynamics | | | | | | X | X |
| Mar 10 | | No Class | Spring Break! | | | | | | |
| Mar 17 | No class on campus | BB Video Class: Microscopy | Spun urine; vaginal smears; other microscopy skill; CLIA | X | X | X | X | | X |
| | | BB Video Class: Wound Care | Wound therapy principles, devices, techniques, product | X | X | X | X | X | X |

| Date | Room | Topic | Content | FNP | ANP/ GNP | PNP | ACNP | ACNP (post- Masters cert.) | PNP & ACNP dual majors |
|-----------------------|---------------------------------------|---|--|--|-------------|-----|------|-------------------------------------|------------------------------|
| | *view before Mar 31 class* | BB Video Class: ENT Skills | See April 8 | X | X | X | X | X | X |
| Mar 24 9-12 | 223 | Pulmonary Function Testing | Peak flow meters; PFT procedure; equipment; analysis; hand held inhalers | X | X | X | X | X | X |
| 12-12:30 | LRC Computer Lab C | Test Review | | Evidence Based Paper Due | | | | | |
| 1:30-4 | 223 | Non invasive & Invasive Radiology | CT, MRI ultrasound, Doppler, embolization, angiograms, indications, contraindications | X | X | X | X | X | X |
| Mar 31 9-10 | LRC LAB | Surgical Asepsis Lab I | | | | | X | X | X |
| | | | | Last name: TBA | | | | | |
| 10-12 | 220 | ENT Skills Lab I | FB in eyes/ears, ear irrigation, epistaxis mgmt,; tympanogram | X | X | X | X | X | X |
| | | | | REQUIRED: VIEW LECTURE BEFORE ENT LAB | | | | | |
| 1:00- 3:00 | | ENT Skills Lab II | | Assignment for ENT Lab I OR Lab II See List in Course Materials | | | | | |
| 3:00-4:00 | LRC LAB | Surgical Asepsis I | Sterile gowning/ gloving, scrubbing for beside procedures | | | | X | X | X |
| | | | | Last name : TBA | | | | | |
| April 3 | Last day to Drop | | | | | | | | |

| Date | Room | Topic | Content | FNP | ANP/ GNP | PNP | ACNP | ACNP (post- Masters cert.) | PNP & ACNP dual majors |
|--------------------------|------------------------------|--|--|-----|-------------|-----|------|-------------------------------------|------------------------------|
| April 7 | No class on campus | BB Video Class: Circulation Procedures View before class on 4/14! | | | | | X | X | X |
| Apr 14 9-4 | LAB-LRC | Circulation Procedures; Lumbar Puncture | Insertion of lines: subclavian, arterial, femoral, ext.jug, interosseous; chest tubes, lumbar puncture, needle thoracostomy; arthrocentesis | | | | X | X | X |
| Apr 21 9:00- 12:00 | 223 | Splinting/ Musculoskeletal Skills | Splinting extremities ace wrap, splints, orthopedic immobilizers | X | X | X | X | X | X |
| 12:30- 3:00 | 223 | Joint Injection Lab | Arthrocentesis and joint injection | X | X | | | | |
| Apr 28 9:00- 12:00 | 223 | Adult Radiology | Special considerations in Adult Radiology | X | X | | X | | |
| 1:00- 4:00 | 223 | Pedi Radiology | Special considerations in Pedi Radiology | X | | X | | X | X |
| May 5 | No class on campus | | | | | | | | |
| May 12 11:00- 1:00 | Computer Labs 211 and 216 | TEST 2 | | X | X | X | X | X | X |

All lectures in 223 are recorded for your review and posted in the Class Rev Echo Recordings section on the course home page. *Faculty is not responsible for equipment malfunction, so it is advisable to take notes.*

BB Video Classes are pre-recorded and posted by the schedule date in the BB Video Classes/Lectures section on the course home page. The content of these classes will be included on tests.

All recorded classes will remain available until Test 2 date.

This is a draft schedule. Refer to Schedule section in Blackboard for most current schedule. After the first day of class, all schedule changes will be posted in Blackboard.

As the instructors for this course, faculty and I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. –Vicki Patrick