PALMER COLLEGE OF CHIROPRACTIC SYLLABUS
Spring 2015; Fifth Trimester
Diagnosis & Radiology Department
Lisa Killinger, D.C., Director

Physical Diagnosis DIAG 71710
5 Credits
10 Contact hours
Approximately 5 hours outside of the class

SECTIONS:
Diag. 71710 03 meets 7:30 to 9:15 Monday - Friday, Room W 309
Diag. 71710 02 meets 11:10 to 12:55 Monday - Friday, Room W 212
Diag. 71710 01 meets 12:05 to 1:50 Monday - Friday, Room W 309
Diag. 71710 04 meets 1:55 to 3:40 Monday - Friday, Room W 309

INSTRUCTORS:
Paul Mullin, B.A., D.C. Tracey Littrell, B.A., D.C, DACBR
Office: 315 West Hall Office: 315 West Hall
Phone: 884-5694 Phone: 884-5844
E-mail: mullin_pd@palmer.edu E-mail: littrell_t@palmer.edu
Office Hour ______________ Office Hour: 3:45-4:45 Mon-Friday or by appt.

PREREQUISITES:
PATH 52301 General Pathology, PATH 61423 Systems Pathology I, PHCH 61345
Endocrinology

PREREQUISITE TO:
DIAG 71713 Geriatrics, DIAG 81721 Differential Diagnosis

COURSE DESCRIPTION:
This course introduces and cultivates the ability to perform and correlate case history and physical diagnosis procedures relevant to the viscera as part of a work-up to arrive at a clinical diagnosis and management plan. It also emphasizes the development of a professional demeanor.

REQUIRED TEXT & RESOURCES
H.M., Ball, J.W., Danis, J.E., Benedict, G.W., SEIDEL’S GUIDE TO PHYSICAL EXAMINATION, 8th ed., St. Louis, Missouri, C.V. Mosby Co., 2015. (Companion DVD’s are on reserve in the library)

REQUIRED EQUIPMENT & APPAREL:
Thermometer, sphygmomanometer, stethoscope, oto-ophthalmoscope, 512 CPS tuning fork & a patient gown. A “Response Card RF” is required in this class for anonymous polling of responses to formative questions.
CLINICAL COMPETENCIES ADDRESSED:

Attitudes students will possess upon completion of the course:

A1: Show concern for patient comfort during the history & physical evaluation

A2: Convey a sense of appropriate doctor-patient boundaries.

Knowledge students will possess upon completion of the course:

K1: Describe the essential elements of a comprehensive case history and physical evaluation.

K2: Explain the value gained from the various elements of the case history and physical evaluation.

K3: Explain the differences between focused, expanded & comprehensive histories and physicals evaluation.

K4: Select appropriate equipment for a physical examination.

K5: Differentiate normal from abnormal symptoms & physical findings.

K6: Formulate a clinical &/or differential diagnosis by correlating related the biographic data, case history information and physical exam findings.

K7: Determine if the patient’s presentation requires emergency care, additional specialized studies, concurrent care or exclusive clinical management.

Skills students will possess upon completion of the course:

S1: Conduct an organized case history & physical evaluation.

S2: Investigate clinical clues (verbal & non-verbal) derived from the history or physical evaluation.

S3: Give the patient clear instructions during the physical examination

S4: Demonstrate proper equipment operation & procedures during the physical exam.

S5: Accurately record case history and physical examination findings.

S6: Perform venipuncture safely.
EVALUATION METHODS
Practical Evaluations: These are based on the formats provided. They include 1) interview/case history 2) vital signs and peripheral vascular perfusion exams 3) external and internal eye exams 4) head, neck, eyes, ears, nose, and throat exams 5) respiratory exam 6) cardiovascular exam 7) breast exam 8) abdominal exam 9) venipuncture procedures 10) comprehensive physical examination.

The student must be able to perform the exam procedures to the satisfaction of the instructor or his/her designee on the following three levels:

1. Intern's demeanor (attitudes, conduct, and interpersonal skills)
2. Psychomotor & psychosensory skills (technical and organizational skills).
3. Clinical reasoning (differentiating normal from abnormal findings, correlating signs and symptoms, formulating a clinical diagnosis)

Written Evaluations: The method(s) of evaluation is at the discretion of the instructor(s), however, it will be discussed prior to the evaluation, i.e., style, length, and content. Test questions reflect clinical knowledge, comprehension, and understanding, as well as clinical analysis, synthesis, and judgment. Evaluation material will be drawn from class presentation and companion texts, journals, labs, etc. Fundamental prerequisite knowledge is assumed to be understood.

ASSIGNMENTS
Assignments may be given at the discretion of the course instructor. All assigned papers will become the property of the instructor and will not be returned. If you require a copy, please do so prior to submitting the assignment. The specifics of the assignment, point values, schedule, due dates, etc. will be detailed by the course instructor.

EVALUATION SCHEDULES AND VALUES
Each instructor will explain the number of tests, quizzes, practical exams, assignments, etc. and their value; an estimated schedule will be provided as a supplement.

GRADING STANDARDS

<table>
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<tr>
<th>Percentage Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>93% - 100%</td>
<td>A</td>
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<tr>
<td>83% - 92%</td>
<td>B</td>
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<tr>
<td>73% - 82%</td>
<td>C</td>
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<tr>
<td>0% - 72%</td>
<td>F</td>
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COURSE OR COLLEGE POLICIES:

ATTENDANCE POLICY
• This course has direct clinical application; more than 10 absences will result in a grade 8 (Failure) of the course.

UNFINISHED OBJECTIVES
• Unexpected events may preclude you from taking a test, quiz or practical examination when it was scheduled, therefore you will be allowed to make-up ONE test and ONE quiz.

All practical exams must be completed to the instructor's satisfaction. Instructors have the option of reducing the point value if more than one practical was missed.

Please e-mail your reasons for any absence to the respective instructor. All other missed assessments will be averaged in the grade as zeros.
• It is the individual student's responsibility to be aware of the date and time of the make-up examinations.
• All interim practical examinations must be satisfactorily completed to be eligible to take the final practical.
• Missed final exams or other unfinished objectives which the instructor has agreed to delay must be completed by the second day of the subsequent trimester

ACADEMIC INTEGRITY
• Students are expected to comply with Palmer’s Student Code of Ethics. Students are strongly encouraged to carefully read the entire Student Code of Ethics as published in the Student Handbook. Cheating, plagiarism, other acts of dishonesty and/or any other violations of Palmer’s Student Code of Ethics may result in the filing of a charge of misconduct under the Student Disciplinary Code as described in the Student Handbook. Sanctions up to and including suspension or dismissal from the College may be imposed upon students found to have violated the Code of Student Ethics. Please refer to the Palmer Student handbook or contact the Office of Adjudication/Compliance (4th floor, Administration Building, extension 5476) should you have any questions.

RELIGIOUS OBSERVANCE
• In compliance with College policy, if you require relief from class attendance due to participation in religious observances you must advise the instructor, in writing, at the beginning of the academic term.

LEARNING ACCOMODATIONS
• Palmer College of Chiropractic makes reasonable academic adjustments for qualified students with disabilities, as required by law. Any qualified student with a disability who requires a reasonable academic adjustment to perform the academic and technical standards requisite to participation in this course is to contact the Office of Student Learning and Development (1st floor, West Hall 128B, extension 5408) to request such an academic adjustment. In compliance with College policy, if you are in need of any special accommodation for this course because of a disability, please contact me or the OSLD. For more details on College policy regarding this area, please refer to the Handbook for Students and Applicants with Disabilities
PRIVACY
• Any students who do not want their academic performance results for this course posted should contact the instructor as soon as possible.

ELECTRONIC DEVICES
• Cell phones must be silenced during class time.
• The instructor reserves the right to limit or deny the use of electronic devices in the classroom.

ESCAPE ROUTES
• Take the south exit & congregate in the library parking lot.

TOPIC OUTLINE
The sequence of material presented is at the discretion of each instructor.

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Mosby's Guide to Physical Exam</th>
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<tbody>
<tr>
<td>1. Overview</td>
<td>1. Chapter 24</td>
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<tr>
<td>2. Case History</td>
<td>2. Chapters 1 &amp; 2</td>
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<tr>
<td>4. Skin, Hair, Nails</td>
<td>4. Chapter 8</td>
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<td>5. Head and Neck</td>
<td>5. Chapters 9, 10, 11 &amp; 12</td>
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<td>7. Cardiovascular</td>
<td>7. Chapter 14 &amp;15</td>
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<tr>
<td>8. Abdominal/Genito-Rectal</td>
<td>8. Chapter 17, 18, 19 &amp; 20</td>
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<tr>
<td>10. NMS (covered in NMS I &amp; II)</td>
<td>10. Chapters 21 &amp; 22</td>
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AUDIO VISUAL AIDS

1. MOSBY'S PHYSICAL EXAM DVD SERIES (15 DVD’s). RC 76 DVD 80
2. BATE'S VISUAL GUIDE TO PHYSICAL EXAMINATION (18 DVD’s) RC 76 DVD 81
Addendum to Dr. Littrell’s Physical Diagnosis Syllabus

Date Developed: 11/03   Date Revised: 02/15

• **Classroom behavior:** Professional behavior, in both the classroom and practice room, is expected from all students enrolled in this course and at Palmer College of Chiropractic. At all times, you will protect the modesty and privacy of your colleagues. Tardiness, excessive side-talking during lectures, talking or texting on a cell phone or other disruptions of the class, sleeping during the lecture, and other forms of unprofessional behavior, as determined by the instructor or fellow student, will not be tolerated. The student may be removed from the classroom. Disciplinary action from the Student Ethics Committee may be sought.

• **Attendance:** Attendance is required for both hours of the course. If it is necessary for you to leave early or arrive late, please inform the instructor as soon as reasonably possible. Attendance will be taken daily. You will be marked as absent if you fail to attend the first hour and/or second hour of the course and if you do not take a quiz, practical, or written examination on the scheduled date. **You will be allowed no more than 10 total absences for the course, with no more than 7 absences allowed for Weeks 1-10, and no more than 3 absences for Weeks 11-14.** Accruing more than the allowed absences in the class will result in a grade F (Failure) of the class.

• **Cell phone/laptop/iPad use:** The use of cell phones and recording equipment is prohibited in the classroom. The use of a cell phone during the lecture or practice sessions will result in an absence recorded for that day. If you must keep your cell phone on during a lecture for emergency purposes, please inform the instructor at the beginning of class. iPads and laptop devices may be used **ONLY** for note-taking. If these devices are used for activities unrelated to classroom work, the student will be given an absence for that day. Additionally, students are prohibited from photographing or audio or video recording lecture material.

• **Policy on cheating and unethical behavior:** Cheating of any form (including, but not limited to: crib notes/cheat sheets, possession of old examinations, viewing others’ tests during an examination or quiz, plagiarism) is prohibited. Unethical behavior or disruptive behavior in the classroom is also prohibited. Violations of the course policies or of the policies of the Student Ethics Handbook will be referred to the Student Ethics Committee for review and resolution.

• **Practice, practical examinations, and surrogate patients:** All students are **required** to participate in the practice and performance of each examination, as well as act as patients for their fellow classmates. If a student is unable to participate as a patient due to an illness or health condition, a release from that student’s health care provider will be required and a surrogate patient must be supplied by the student for the duration of the illness or condition. You must inform the instructor during the first week of class of any potential interfering conditions or illnesses that would require a surrogate patient, e.g. a late stage pregnancy that would preclude an accurate abdominal exam.

• **Dress code for lectures, practice, and practical examinations:** Modest dress for males and females is expected in both the classroom and practice room. As this course requires participation in physical examination of your fellow students, clothing that allows access to the anatomy being examined is important. All students are required to wear patient gowns for the thorax, heart, and lung examinations during laboratory practice and practical examinations. All students will be required to reveal the lower extremity anatomy during pertinent examinations. Short skirts or dresses or low-cut necklines are inappropriate for class and practice examinations. Long hair should be pulled back so as not to interfere with examinations, and fingernails should be cut short.

• **Quizzes:** Quizzes are given the day before the scheduled practical examination. Quizzes are intended to test clinical knowledge and practical knowledge and to indicate your readiness for the practical examination. Quiz questions will be taken from the lecture material, textbook, reading assignments or online material.
• **Practical Examinations:** Practical examinations are intended to test clinical knowledge and practical knowledge and to reinforce skills utilized in the Palmer Clinics and in private practice. Performance expectations will be given for each practical to serve as **guidelines** for the practical examination procedures. The scoring criteria given to the examiner will be more detailed than the performance expectations. Practicals will be graded by upper trimester teaching assistants/proctors and the instructor.

• **Interim (Unit) Examinations:** Interim examinations are intended to test predominately the lecture material and textbook material; however, practical knowledge may also be included. Interim Examination #1 will consist of 50 questions on the topics covered up to the date of the examination. Interim Examination #2 will consist of 50 questions on the topics covered since Interim Examination #1. Interim Examination #3 will consist of 50 questions on the topics covered since Interim Examination #2. Interim Examination #4 will consist of 50 questions on the topics covered since Interim Examination #3. Each Interim Examination will include 8 extra credit questions.

• **Final Cumulative Examination:** The final examination will be **cumulative** and will consist of approximately 75 questions on the subject matters of disease processes and differential diagnosis. The material will be a combination of new material and previously covered topics. There will be no extra credit on this examination.

• **Examination material:** The interim and final examination questions are taken from the required textbook and any material presented or assigned in class. Students are expected to read the assigned chapters to successfully complete the examinations.

• **Viewing examinations:** Students may review and are encouraged to review their examinations within the two week period following the administration of the examination; examinations will not be available for review until all make-up examinations are administered.

• **Narrative history:** A narrative history assignment will be introduced and coordinated with an assignment in the Cervicals and NMS I courses; details for this assignment will be given in class.

• **Periodic assignments:** Periodic assignments will be given at the discretion of the instructor and may affect the total point value for the course.

• **Unfinished objectives and make-up policy:** All quizzes, practicals, and examinations must be completed in order to receive a grade for the course. For extraordinary circumstances only, students will be allowed to make-up **ONE** grade in each category of quiz, practical, and interim examination. If more than one quiz, practical, or interim examination is missed, the missed points will be forfeited. **Extra credit questions will not be available on make-up examinations.** You are required to inform the instructor of all absences prior to the administration of the quiz, practical, or exam.

• **Grade posting:** Announcements and grades will be posted at [www.littrellradiology.com](http://www.littrellradiology.com) and the Palmer portal. According to the Family Educational Rights and Privacy Act (FERPA), students may request that grades be omitted from public posting. The student must submit a written retraction of his or her permission to post grades to the Registrar’s office and to the instructor.

• **Grade inflation:** The instructor does not engage in grade inflation (artificially raising point values to award higher letter grades). Those students earning less than 93% will receive a grade B; those students earning less than 83% will receive a grade C.
• **Lecture notes:** Some lecture notes may be provided to you. Others may be obtained at [www.littrellradiology.com](http://www.littrellradiology.com). Hand-outs should be considered required and testable material. Please bring blank paper to class for note taking and in-class submissions.

• **Inclement weather:** If inclement weather forces the cancellation of class, the material to be covered on the cancelled class day (including scheduled written examinations) will be covered when classes resume. The notable exception to this policy is in the event that weather forces the cancellation of a practical examination. In this case, the practical will be rescheduled when student proctors are available and material to be covered or the examination will occur as scheduled.

• **Class cancellation due to instructor illness or emergency:** If the instructor must cancel class due to illness or emergency, a notice will be placed on the classroom door and will also be posted on the website and the Palmer portal, if possible. So that the course may continue on schedule, **an assignment will be given and it is the student’s responsibility to complete that assignment by the next scheduled class day.**

• **Children in the classroom:** With the exception of temporary or emergency situations in which childcare cannot be arranged (snow cancellation, child care provider’s illness, etc.), students are discouraged from bringing children to the classroom. **UNDER NO CIRCUMSTANCES** will a child be permitted in the classroom during a quiz, practical, or written examination.

• **Response Cards (RF cards or “clickers”):** The devices are not required at this time, but **may** be utilized later in the term. RF cards may be used in class to take attendance and periodically poll student knowledge and perspective on topics related to the course. Due to the level of student participation for this course, **students will be required to bring the device to each class period.**

• **Point distribution:**

  - 1 syllabus quiz: 10 points ~3.4% of total grade
  - 1 quiz @ 40 points: 40 points ~6.4% of total grade
  - 3 quizzes @ 20 points each: 60 points ~9.6% of total grade
  - 4 practicals @ 40 points each (3 count): 120 points ~19.2% of total grade
  - 4 interim examinations @ 50 points each: 200 points ~32% of total grade
  - 1 cumulative final practical: 120 points ~12% of total grade
  - 1 cumulative final written examination: 75 points ~19.2% of total grade

  625 points total*** (tentatively)

• Grade A = 93% to 100% = at least 581 of 625 points
• Grade B = 83% to 92% = at least 519 of 625 points
• Grade C = 73% to 82% = at least 456 of 625 points
• Grade F = < 72% = < 455 of 625 points
• Grade I = Incomplete

***Note: Periodic classroom assignments will be given that coincide with mock history scenarios and other activities, such as audio and visual quizzes. The submission of these assignments is required and may add to the total point value for the course.