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| **Course Credit:** | 1 Credit |
| **Time and Location:** | Thursday: Class 1:00-1:50pm  NURS Rm 210 |
| **Instructor:** | Chelsie Wheatley, BSRS, BSDMS, RT(R), RDMS, RVT |
| **Phone:** | 208-241-1599 or 208-282-4042 (Secretary, Alyssa) |

**Overview:** This course will cover sonographic a number of uncommon case studies and teaching files presented with images in different projections to point out specific features, anomalies, pathologies or disease processes. Information gained in this course will be used to further sonographic practice and to assist the student in passing the ARDMS specialty examinations. This course will also provide continuing education credits through the SDMS website through webinars and JDMS articles. The students will give presentations and article/webinar summary reviews as part of the course curriculum.

**Textbooks:** None, but a current SDMS membership is required

**Method of Presentation:**  Lecture, PowerPoint, Handouts, Moodle Supplement, Webinars

**Code of Ethics:** DMS 4415 adheres to the ISU Code of Conduct.  In particular, academic dishonesty, however small, creates a breach in academic integrity.  A student's participation in this course comes with the expectation that his or her work will be completed in full observance of the ISU Code of Student Conduct.

**Course Learning Objectives/Goals:** This course has been designed to prepare student sonographers for the responsibilities and understanding of pathology in sonographic imaging. The student will learn about fetal skeletal dysplasias, musculoskeletal pathologies, neonatal spine, neurosonography, fetal brain imaging, and other rare cases. Ultimately, the student will gain a better understanding of the process involved in identifying pathology in the field of sonography.

**Course Learning Outcomes:** Upon completion of this course, the student will be able to:

* Identify different rare obstetric cases
* Describe fetal skeletal dysplasias and the sonographic characteristics of them
* Explain neonatal spine abnormalities and protocols for evaluating them
* Discuss rare cases in sonography in neuro, breast, , Obstetrics, and pediatric sonography

**Academic Dishonesty Policy:**

Academic dishonesty (cheating, plagiarism, etc.) will not be tolerated in this class and may result in suspension or dismissal from this course and from the program. Cases will also be referred to the Dean of Students for possible dismissal from the university.

Cheating includes, but is not limited to, (1) use of any unauthorized assistance in taking quizzes, tests, or examinations; (2) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or completing other assignments; or (3) the acquisition of tests or other academic materials belonging to the university faculty or staff without permission.

Plagiarism includes, but is not limited to, the use of, by paraphrase or direct quotation without correct recognition, the published or unpublished works of another person. The use of materials generated by agencies engaged in "selling" term papers is also plagiarism.

Many components of DMS 4414 are designed to be highly interactive.  Students are encouraged to take full advantage of the many resources available including Internet sites, handouts and workbooks, other textbooks and journals, faculty, and peers. This interactive collegial learning environment is conducive for life-long learning.

**Classroom Procedure:**

1.  **Attendance:**  You are expected to attend class regularly.  It is your responsibility to maintain a level of attendance which will allow you to derive maximum benefit from the instruction.  Excessive absences (>10%) will result in a lower course grade if you are borderline between two grades.  Conversely, if you have good attendance and are border line between two grades, I will award the higher grade.

2.  **Grading Procedure:**

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| **Assessment Method** | **Percentage Value** |
| Presentation #1 | 25% |
| Presentation #2 | 25% |
| Presentation #3 | 25% |
| Webinar Certificates | 25% |
| Total | 100% |

**This grading Scale will be used:**

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| +/- System |  |
| 93-100% A | 73-76% C |
| 90-92% A- | 70-72% C- |
| 87-89% B+ | 67-69% D+ |
| 83-86% B | 63-66% D |
| 80-82% B- | 60-62% D- |
| 77-79% C+ | 59% Below F |

*Note: A grade of C or better is required in this course in order to receive a degree from the Department of Radiographic Science.*

The minimum requirements to earn a passing grade are successful completion of all assignments (70% minimum).

**Cell phone policy:** Cell phones should not be used in class. They should be place in silent or vibrating mode or turned off. Additionally receiving and retrieving text messages should not occur during class or in labs. Failure to follow this policy will result in a deduction of grade up to 10% at the discretion of the instructor. If you need to communicate to someone outside of the class in an emergency situation please inform the instructor so accommodations to this policy may be made.

**Disability Services:** Students with disabilities who wish to have accommodations provided by the University must self-identify with Disability Services (236-3599) in order to have accommodations provided. Information and applications are available in the Center and may be picked up in person or requested by telephone. The URL is <http://www.isu.edu/ada4isu/>