

**CALENDAR YEAR 2018 / ACADEMIC ASSESSMENT AND ACTION PLANNING**

**Consistently identify and produce images of high diagnostic quality**

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**Number: 1.Student Learning Competency:**

Graduates of this program will be technically proficient, being able to consistently produce images of high diagnostic quality. Outcomes: A. Students obtain, review and integrate pertinent patient data to facilitate optimum diagnostic results. B. Students select appropriate technical factors when scanning patients. C. Students perform sonographic procedures appropriately and accurately recording all anatomic and physiologic information for interpretation by a physician. D. Students document and present complete and accurate sonographic findings to the interpreting physician in order to facilitate patient diagnosis. E. Students maintain optimal function of the sonographic equipment. Students assist physician during invasive ultrasound guided procedures

**Title:**

Consistently identify and produce images of high diagnostic quality

**Providing Department:**

Diagnostic Medical Sonography (A.A.S.)

**Program Processes: Strategies to Develop Students' Learning:**

This program is designed to build upon introductory theoretical knowledge, reinforced through laboratory activities and mastered during clinical experiences. In the class setting, instructors will provide examples of what students will encounter in the clinical setting. During the lab setting, the student's use the knowledge learned in class to apply patient history to their scan and how they would theoretically obtain images of a patient with a specific pathology related to the organ being scanned. For instance, a "patient" has a liver mass in the left lobe of the liver found on an X-ray, therefore; what images would you acquire to obtain high diagnostic quality in helping with this diagnosis?

### Methods of Evaluating Student Performance:

Students are evaluated through comprehensive written tests, laboratory competencies and clinical evaluations and competencies. The course that will be evaluated for data will include IMAG 2220 OB/GYN Sonography I, IMAG 2221 OB/GYN Sonography Lab I, IMAG 2215 Abdominal Sonography I, IMAG 2216 Abdominal Sonography I Lab, IMAG 2250 OB/GYN Sonography II, IMAG 2251 OB/GYN Sonography II Lab, IMAG 2245 Abdominal / Small Parts Sonography II, IMAG 2246 Abdominal / Small Parts Sonography II Lab. For each of these courses we will evaluate the final exam and OB/GYN I Lab and II full pelvic competency, Abdominal Sonography Lab I Liver Competency and Abdominal/Small Parts Sonography Lab II Complete Abdomen Competency.

The results of the above courses will be submitted from each faculty to the Director of the Program.

### Expected Level of Learning Performance:

100% of students will achieve a grade of 76% or greater for all written exams, laboratory competencies and clinical evaluations. .

### Data Display with Analysis & Summary of What Program Learned:

1. Consistently identify and produce images of high diagnostic quality: 100% of students will obtain a 76% on final Exams, competencies and clinical evaluations

	FA 2015	FA 2016	FA 2017	FA 2018
IMAG 2220 OB/GYN I Course Final:	86.9	95.2	97.1	Not Started
IMAG 2221 OB/GYN I Lab Full Pelvic Competency:	100	88.89	100	Not Started
IMAG 2215 Abdomen I Course Final:	91.53	93.02	90.31	Not Started
IMAG 2216 Abdomen I Lab Liver Competency:	100	93.33	97.0	Not Started
Final Clinical Evaluation Fall	100	100	87.2	Not Started
	SP 2015	SP 2016	SP 2017	SP 2018
IMAG 2250 OB/GYN II Course Final:	91.21	93.4	92.9	IP
IMAG 2251 OB/GYN II Full Pelvic Competency:	100	95.56	100	IP
IMAG 2245 Abdomen/Small Parts II Course Final:	93.46	93.97	86.64	IP
IMAG 2246 Abdomen/Small Parts II Abdominal Complete Competency:	100	92.22	92.5	IP
Final Clinical Evaluation Spring	99	100	99.4	IP

\*IP= In Progress

Students have successfully achieved this program goal. Not only were the scores above the projected 76% average, they were between 86 and 100%. Faculty and Program Director will continue to monitor progress and scores.

### **Process Changes, Program Improvements, or Adjustments to this Plan:**

Students have been successful and faculty are considering increasing the average score to 85-90%. Faculty plan to monitor one more year due to the added priority of completing the DMS self-study for accreditation. Program faculty will make adjustments to this plan in 2019-20.

### **Uploaded Documents for Plan Results and Improvements:.**

#### Attached Files

Abd I Final Exam LCCC.pdf

Fall Clinical Developmental Evaluation.docx

Liver Competency

OBGYN I LCCC FINAL EXAM (2).docx

Pelvic Complete Comp.doc

### **Reviewer Feedback:**

#### **Overall Assessment Plan**

No formal feedback is requested; however, the program should consider returning to stakeholders for additional feedback on what could be improved upon for continuous improvement of program.

### **Program Response:**

**Source:** LCCC Assessment Management Systems, Campus Labs, 2018