

**UT SOUTHWESTERN DEPARTMENT OF SURGERY
TECHNICAL SKILLS COURSE OUTLINE**

Course Title: Introduction to Laparoscopy and Instruments set-up

Course Director: Name: Seifu Tesfay, RN, MS
Specialty: N/A

Additional Course Faculty: Name: Daniel J. Scott, MD FACS
Specialty: Surgery

Participants: Specialty: Scrub Technicians, Circulating Nurses, OR Nurse Residency Program
Student Nurses

Level: Various

Number of participants for the entire course: 18

Expected Attendance:

of Sessions Assigned to Each Trainee: 2
Duration of Each Session (max 2 hrs): 2 hrs
of Trainees per session: 9

of Other Assigned Sessions: n/a
Duration of Each Session: _____ hrs
of Trainees per session: _____
When will these other sessions be held? _____

Course Completion Verification - How do you know when a trainee has completed each component of the course and the overall course itself? Please specify for each course component, if applicable:

X Attendance-based - based on the trainee attending all designated sessions
X Entire Course - Is the entire course solely based on attendance?
_____ Part of the Course - Is attendance to designated sessions required in addition to other components, as listed below?

_____ Repetition-based - based on the trainee performing a specified number of repetitions
Component(s): _____
of Repetitions: _____

X Proficiency-based - based on the trainee reaching a specified level of proficiency
Component(s): demonstration of connecting and disconnecting of Laparoscopy equipment such as light cables, cameras, insufflation

gases etc. _____

Method for determining proficiency: direct observation by instructor _____

X _____ Written Testing - based on passing a written test

Component(s): _____

X _____ Documentation of Watching Videos/CD's/Web-based Materials - based on proctor or instructor verification that the trainee has watched the specified videos/CD's/Web-based materials

Component(s): _____

_____ Other Methods (*specify method*) _____

Component(s): _____

Self-study or Self-practice (Is self-study or self-practice an expectation of this course?)

X _____ No

_____ Yes (*specify*)

Self-study component(s): _____

Estimated time requirements for self-study: _____ hrs.

During what phase(s) of the course is self-study to be completed? _____

Self-practice component(s): _____

Estimated time requirements for self-practice: _____ hrs.

During what phase(s) of the course is self-practice to be completed? _____

Training Location(s): SCMIS Conference room and Skills lab. (E6.200/E6.202)

Equipment/Simulator(s): Fully equipped dry lab with all lap equipment components provided

Other Resources (Textbooks, CD-ROMS, Videos, etc): Introductory DVD

SAGES Top 14 CD ROM Lap Chole video

Tubal Ligation Video

Educational Scope:

X _____ Skills – does this course teach technical skills?

Component(s): Assembling equipment, cameras, light cables, etc and loading and unloading Endostich and other laparoscopic equipment _____

X Cognitive - does this course teach cognitive (knowledge) material?
Component(s): Discuss MIS and the role each team member plays, basic didactic video material on laparoscopic cholecystectomy and tubal ligation

X Judgment – does this course teach trainees judgment (intraoperative or clinical decision-making)?
Component(s): trouble shooting equipment

Learning Objectives:

- Discuss current trends in Minimally Invasive Surgery (MIS)
- Identify issues associated with MIS
- Describe the role of nurses/tech in MIS
- Be able to setup for MIS procedures

Summary of Curriculum, Teaching Methods, and Resource Utilization

The group will assemble in the conference room for an introduction and will watch the videos followed by question and answer sessions to reinforce learning. Each trainee will be introduced to the skills lab and practice assembling and disassembling laparoscopic hand instrumentation and video imaging/insufflation and gas equipment. Also they will have time to work on the simulators to practice eye hand coordination and basic instrument handling.

Methods for giving feedback to learners (Formative and Summative):

Questions at the end of the video session to provide formative feedback. Direct observation followed by immediate feedback during skills training. Each trainee is observed throughout the session and comments given by faculty as appropriate.

Methods for Assessment of Learners:

Direct observation by instructor for skills and written examination for cognitive components.

Methods for Remediation:

Remediation will be conducted during the training session for skills, as directed by the instructors. A minimum score of 75% will be required on the written examination with proctored remediation as needed.

Methods for Course Evaluation:

By Learners: E-Value online system

Other Methods (*specify*) N/A

By Faculty: E-Value online system
Other Methods (*specify*) N/A

Materials:

The reusable laparoscopy training equipment will be utilized.