



OWENS  
COMMUNITY COLLEGE

**Course Syllabus  
SEMESTER  
School of Nursing and Health Professions**

|                                        |                                    |
|----------------------------------------|------------------------------------|
| <b>Course Name:</b>                    | <b>Intro to Sterile Processing</b> |
| <b>Course &amp; Section Number:</b>    | <b>SPD 100-XXX</b>                 |
| <b>Meeting Day(s) &amp; Time(s):</b>   | <b>Lecture:</b>                    |
|                                        | <b>Lab:</b>                        |
| <b>Credits:</b>                        |                                    |
| <b>Contact Hours:</b>                  |                                    |
| <b>Text:</b>                           |                                    |
| <b>Instructor's Name:</b>              |                                    |
| <b>Office Hours &amp; Location:</b>    |                                    |
| <b>OCC Phone:</b>                      |                                    |
| <b>OCC Email:</b>                      |                                    |
| <b>Additional Contact Information:</b> |                                    |

Please call me (name); it is my preferred name. If you have a preferred name, please let me know so I can use it.

\*\*Please use only Owens email for course communications.

**Catalog description:**

Theory and application of the necessary functions of the sterile processing technician are introduced as well as their role within the surgical department and the hospital organization. Students will learn various types of instrumentation spanning all of the surgical specialties. They will cover the use of instrumentation, POU decontamination, inspection, packaging, and various sterilization techniques. Sterile storage systems, case cart preparation, and department delivery practices and systems will also be covered. Students will demonstrate the use of chemical, mechanical and biological indicators. Hazards concerning the chemical agents, mechanical equipment, and biological material in the sterile processing department will be covered including the proper standard precautions. Students will be introduced to the basic principles of aseptic technique and infection control.

**Prerequisite/Corequisites:**

HIT 125, BIO 211, ENG 111,

## Course Materials:

### Lecture:

Incision Academy, Sterile Processing Program, <https://academy.incision.care/courses/programs/sterile-processing-program> (bookstore purchase for access)

### Lab:

Rutherford, C. J. (2019). *Differentiating Surgical Instruments* (3rd ed.). F. A. Davis Company. <https://pageburstls.elsevier.com/books/9781719642125>

*If a **print book, e-book, or access code** is required for class, you can access the Owens Community College e-Campus Bookstore by accessing the online link, called "Find Books" on the course schedule for each course section. See the example below.*

**OER and Owens Community College Library Resources** (Open Educational Resources are free online materials for instructor and student use. Some OER material may be available in print in the Owens Community College Library.)

**Inclusive Access (I.A.) Materials** are included in the cost of the course to save students money through lower negotiated rates with publishers. Courses containing I.A. materials will have it noted on the online class schedule. If your course includes I.A. digital materials, you will receive an email with subject line, "Your inclusive Access Materials," and it will include any codes or digital links.

The email will come to your Owens Community College email from the Owens e-Campus Bookstore on the first day of class, if not before. Be sure to check your spam (junk email) if you do not find it in your inbox. If the email is not in your inbox or spam folder, contact your instructor immediately. You may also see a folder at the top of your course labelled "Course Materials by eCampus." This folder will contain any needed codes or links to needed materials.

If the I.A. materials also include a printed book or are in print form, the item will be shipped to your address of record automatically based on your enrollment in the course. Please note that some courses do not include printed materials in I.A. and those materials would need to be purchased separately using the link on the course schedule. When you access the Find Books link you will see which items in a course are included in I.A.

## What You Will Learn in the Course

### Course Objectives:

- Provide the student with the ability to inspect, clean assemble and sterilize supplies, instruments and equipment in the perioperative services area.
- Illustrate practical working knowledge of the perioperative services floor plan and how the traffic pattern relates to the control of hospital acquired infections.
- Introduce and explain the concept of monitoring environmental controls of the perioperative services area.
- Introduce and explain the proper chain of command in perioperative services.
- Provide the student with the ability to identify functions of the health care team as it relates to surgery.

### Student Learning Outcomes:

Students will:

| Category  | Outcome                                                                             | Where Assessed                                                                  |
|-----------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Knowledge | 1. Correctly use terms related to disinfection and sterilization                    | Week 2 (Microbiology & Infection Control), Week 8 (Steam Sterilization)         |
| Knowledge | 2. Explain the Spaulding system of classification                                   | Week 2 (Microbiology & Infection Control)                                       |
| Knowledge | 3. Describe the steps of reprocessing surgical instruments from the point of use to | Week 3 (Decontamination), Week 4 (POU Cleaning & Transport), Week 5 (Instrument |

| Category    | Outcome                                                                                                                                                                               | Where Assessed                                                                                       |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|             | sterilization                                                                                                                                                                         | Inspection & Assembly)                                                                               |
| Knowledge   | 4. Discuss the principles and processes of decontamination                                                                                                                            | Week 3 (Decontamination), Week 5 (Decontamination Flowchart)                                         |
| Knowledge   | 5. Explain the rationale for specific methods of wrapping of instruments and loading of the steam sterilizer                                                                          | Week 6 (Packaging Systems), Week 8 (Steam Sterilization)                                             |
| Knowledge   | 6. Explain the principles of gas sterilization                                                                                                                                        | Week 9 (Low Temperature Sterilization – Sterrad, EtO)                                                |
| Knowledge   | 7. Describe special processing required for instruments exposed to Creutzfeldt–Jakob disease                                                                                          | Week 12 (Special Processing)                                                                         |
| Knowledge   | 8. Distinguish between disinfection and sterilization                                                                                                                                 | Week 2 (Microbiology & Infection Control), Week 6 (Packaging & High-Level Disinfection)              |
| Knowledge   | 9. Recognize the hazards associated with the use of chemical disinfectants                                                                                                            | Week 3 (Decontamination Hazards), Week 9 (Sterilization Safety Simulation)                           |
| Knowledge   | 10. Describe terminal cleaning of the operating room environment                                                                                                                      | Week 3 (Terminal Cleaning Lab)                                                                       |
| Application | 11. Demonstrate the steps involved in instrument POU decontamination, inspection, and decontamination techniques                                                                      | Week 4 (POU Cleaning Simulation, Transport Methods), Week 5 (Instrument Inspection Assignment)       |
| Application | 12. Demonstrate the use of the washer-sterilizer                                                                                                                                      | Week 3 (Decontamination Practices), Week 6 (Automated Decontamination)                               |
| Application | 13. Demonstrate instrument final inspection, tray assembly, various sterile packaging techniques to peel pouching, wrapping, and hard case systems and the use of chemical indicators | Week 5 (Tray Assembly), Week 6 (Peel Pouch, Rigid Container Packaging), Week 7 (Chemical Indicators) |
| Application | 14. Identify the purpose of chemical, mechanical and biological indicators                                                                                                            | Week 7 (Chemical & Biological Indicators), Week 8 (Steam Sterilization Monitoring)                   |
| Application | 15. Demonstrate the use of various instrument labeling techniques including bar code technology                                                                                       | Week 10 (Sterile Storage & Case Cart Preparation)                                                    |
| Application | 16. Demonstrate the use of various sterilization techniques                                                                                                                           | Week 8 (Steam Sterilization Lab), Week 9 (Sterrad, EtO)                                              |
| Application | 17. Demonstrate the use and types of biological indicators; identify their individual bacterial content, incubation periods and proper usage                                          | Week 7 (Indicators & Monitoring), Week 8 (Steam Sterilization)                                       |
| Application | 18. Demonstrate various sterile storage techniques                                                                                                                                    | Week 10 (Sterile Storage Scavenger Hunt), Week 11 (Inventory Management & Transport)                 |
| Application | 19. Demonstrate case cart preparation and the distribution of materials to the surgical department                                                                                    | Week 10 (Case Cart Simulation), Week 11 (Tracking & QA Scenario)                                     |

### Program Outcomes:

The following program outcomes are assessed in this course

| Category  | Outcome                                                                                                                 | Where Assessed                                                                                            |
|-----------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Knowledge | Correlate the elements, actions, and use of medications and anesthetic agents used during the perioperative experience. | Indirect in Weeks 2–3 microbiology & infection control, reinforced in final comprehensive exam (Week 16). |
| Knowledge | Demonstrate knowledge of emerging technologies                                                                          | Week 5 (Robotic & Laparoscopic Instruments), Week                                                         |

| Category                 | Outcome                                                                                                                                                       | Where Assessed                                                                                                                  |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
|                          | in minimally invasive surgeries.                                                                                                                              | 11 (Tracking systems).                                                                                                          |
| Knowledge                | Demonstrate an entry-level knowledge base by successfully completing the Certification exam.                                                                  | Cumulative exams (Weeks 4, 6, 10, 13) and Final (Week 16).                                                                      |
| Skills<br>(Psychomotor)  | Apply knowledge and skills from the biological sciences to safely perform during the pre-operative, intraoperative, and postoperative phases of patient care. | Weeks 2–3 (Microbiology, Infection Pathway), Week 6 (Packaging Systems lab).                                                    |
| Skills<br>(Psychomotor)  | Assemble and operate instruments, equipment and supplies for the delivery of patient care as an entry-level practitioner during basic surgical procedures.    | Weeks 1–12 labs (General, GYN, GU, Lap, Ortho, Ophthalmic, Dental, ENT, Plastics, Neuro, Vascular, Cardiac).                    |
| Skills<br>(Psychomotor)  | Implement safe practice techniques in regards to perioperative routines, patient transportation, positioning, and emergency procedures.                       | Week 4 (POU Cleaning & Transport), Week 6 (Packaging safety), Week 9 (Low-temp sterilization safety).                           |
| Skills<br>(Psychomotor)  | Prioritize and organize the surgical field while considering the physiology and urgency of patient care needs.                                                | Week 5 (Instrument Inspection/Assembly), Week 10 (Case Cart Prep), Week 12 (Loaner Tray Documentation).                         |
| Behaviors<br>(Affective) | Communicate professionally with patients, physicians, and co-workers.                                                                                         | Week 1 (orientation), Week 8 (Pecha Kucha drafts), Week 13 (Mock inspection role-play), Week 15 (Peer review).                  |
| Behaviors<br>(Affective) | Demonstrate a strong surgical conscience, accountability, and legal implications of an individual's actions as a member of the surgical team.                 | Week 4 (POU Cleaning), Week 13 (OSHA/TJC inspection, fire drill).                                                               |
| Behaviors<br>(Affective) | Employ appropriate ethical, professional, and respectful values while providing care to diverse populations within the healthcare system.                     | Week 12 (Implant verification, Loaner Tray Accountability), Week 13 (Compliance audit), Week 14 (Optional professionalism lab). |

### Institutional General Education Competencies:

As a student at Owens Community College, you will take General Education courses as part of your degree program. While specific to the General Education courses, will be reinforced in many of your degree program major courses and may be measured in your capstone course(s) and others as identified.

| Competency                               | Where Assessed                                                                                                                                                                                                                                        |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Critical Thinking                     | Weeks 3 (Decontamination Challenge), 6 (AI Instrument Tray Scenario), 8 (Cycle Failures & Troubleshooting), 9 (Sterilization Case Study), 13 (Mock Compliance Audit & Fire Drill Simulation), 15 (Review activities).                                 |
| 2. Communication                         | Week 1 (Handbook acknowledgment, survey, and orientation), Weeks 6 & 8 (AI Tray Scenario and Peer Review, Pecha Kucha drafts), Week 13 (Mock Compliance Audit role-play), Week 15 (Pecha Kucha Peer Review), Week 16 (Final Exam & Skill Assessment). |
| 3. Mathematical / Quantitative Reasoning | Weeks 7–9 (Indicator test documentation, BI incubation periods, sterilization monitoring), Week 8 (Steam sterilization cycle parameters & troubleshooting).                                                                                           |
| 4. Scientific Reasoning                  | Weeks 2 (Microbiology Lab), 3 (Hazards of Chemicals, SDS), 6–9 (Decontamination, disinfection, sterilization methods), 12 (Implant verification & traceability simulation).                                                                           |

### Academic Support

**Disability Services Resource Center:** If you have a disability or acquire one, you may be entitled to receive reasonable accommodations intended to assure you an equal opportunity to participate in and benefit from the program. To receive more information or to register for accommodations, please contact SEMESTER

the Disability Resource Center at 567-661-7007, email [disability@owens.edu](mailto:disability@owens.edu), visit <https://www.owens.edu/disability/>, or stop by College Hall 124.

**Tutoring Services:** Owens Community College offers academic tutoring and assistance in a variety of subjects including: accounting, computing, economics, mathematics, science, and writing. For more information go to: <https://www.owens.edu/successcenters/>.

**Counseling Services:** Counseling Services provides assistance to students experiencing personal, educational, interpersonal/relationship, family, social, or psychological difficulties. If you feel you may benefit from this service, please contact them at [counselingservices@owens.edu](mailto:counselingservices@owens.edu). More information is at <https://www.owens.edu/counseling/>.

**Campus and Community Connections:** The Center for Campus and Community Connections (College Hall 123) is a walk-in office created to provide retention support through resource stability initiatives and community connections. Go here for more information: <https://www.owens.edu/connection/> or contact [connections@owens.edu](mailto:connections@owens.edu)

**Owens Library:** The Owens Library offers two locations (Toledo and Findlay) as well as online resources. For more information visit <https://www.owens.edu/library/>.

### General Information

**Student Code of Conduct:** All students are expected to follow Owens Community College's [Student Code of Conduct](#), which includes academic honesty, encompassing plagiarism. See the [Board Policy](#) for more information.

**Anti-Discrimination and Harassment & Title IX/Sexual Misconduct:** All students, faculty, and staff are expected to follow Owens Community College's [Anti-Discrimination and Harassment Policy](#) and the College's [Title IX Policy](#)/Sexual Misconduct Procedures and Guidelines. The College strictly prohibits and will not tolerate harassment, discrimination, intimidation, or hostile/offensive working or learning environments.

**Religious Accommodations:** A student seeking an accommodation for an absence permitted under Ohio's Testing Your Faith Act must provide the instructor with a written email notice with the specific dates for an absence, and must do so not later than fourteen (14) days after the first day of instruction. Alternative accommodations are not retroactive, and no academic penalty will be imposed for an absence under the policy\*. The request for an alternative accommodation will be kept confidential. Students with questions about a religious accommodation under Ohio's Testing your Faith Act may contact the College's Office of Academic Affairs: [provost@owens.edu](mailto:provost@owens.edu)

The policy may be found on the Owens website: [3358:11-2-63 Accommodation](#) for a Student Absence for the Observance of Religious Beliefs and Practices Policy

**Document Collection:** Throughout the semester, your instructors may ask for a variety of assignments including tests and/or quizzes for student learning of institutional general education competencies or program assessment. Please save all your class materials until the end of the semester.

**Classroom Admittance:** OCC classes shall only be attended by the officially registered OCC students or perspective students, instructor of record, guest lecturer, or substitute. Visitors are not permitted to be in the classroom and should not be invited to attend or participate in the class. See [FERPA](#) regulations for more information.

**Use of AI Tools:** This course permits you to use artificial intelligence (AI) tools, such as chatbots, text generators, paraphrasers, summarizers, or solvers, to get guidance on assignments, as long as you do so in an ethical and responsible manner. Essentially, you can think of these tools as ways to help you learn but not to entirely create work for assignments like discussion board posts, essays, presentation slides, and so on. AI is more like your tutor or TA, not a replacement for your independent thinking.

This means that you must:

- Not use AI tools to replace your own thinking or analysis or to avoid engaging with the course content.
- Cite or explain any AI tools you use. Provide the name of the AI tool, the date of access, the URL of

- the interface, and the specific prompt or query you used to generate the output.
- Be transparent and honest about how you used the AI tool and how it contributed to your assignment. Explain what you learned from the AI tool, how you verified its accuracy and reliability, how you integrated its output with your own work, and how you acknowledged its limitations and biases.

You are accountable for any mistakes or errors made by the AI tool. Always check and edit the output before submitting your work. If you discover any inaccuracies or inconsistencies in the output after submission, notify the instructor immediately and correct them as soon as possible.

Using AI tools in an unethical or irresponsible manner, such as copying or paraphrasing the output without citation or transparency, using the output as your own work without verification or integration, or using the output to misrepresent your knowledge or skills, is considered a form of academic dishonesty and will result in a zero grade for the assignment and possible disciplinary action. If you have any questions about what constitutes ethical and responsible use of AI tools, please consult with the instructor **before** submitting your work.

NOTE: Some instructors will also list specific acceptable and unacceptable uses or include a statement like "All written assignments, projects, and exams must be completed independently."

## Student Responsibilities

### Professional Communication:

- Accuracy and Truthfulness:** Ensure that all communication, whether verbal or written, is accurate, truthful, and based on reliable information.
- Timeliness:** Respond promptly to communication. Acknowledge receipt and provide a timeframe for a detailed response if necessary.
- Professional Tone:** Maintain a professional tone in all forms of communication, including emails and class meetings. Avoid using language that may be perceived as offensive, discriminatory, or disrespectful.

| Category                              | Exceeds Expectation                                                                     | Meets Expectation                                          | Needs Improvement                                               | Unsatisfactory                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------|
| <b>Attendance &amp; Punctuality</b>   | Attends all classes, always on time. Notifies instructor appropriately of absences.     | Rarely absent or late; proper notification given.          | Occasionally late or absent; inconsistent notification.         | Frequently late or absent; fails to notify or follows improper procedures.   |
| <b>Preparedness</b>                   | Always prepared with materials and completed assignments; consistently ready to engage. | Usually prepared with necessary materials and assignments. | Sometimes unprepared or missing materials.                      | Rarely prepared or significantly behind on assignments.                      |
| <b>Respect &amp; Communication</b>    | Consistently communicates respectfully with faculty and peers; uses professional tone.  | Generally, communicates respectfully with few lapses.      | Occasionally uses inappropriate tone or disrespectful behavior. | Disrespectful or disruptive communication; frequent unprofessional language. |
| <b>Engagement &amp; Participation</b> | Actively contributes to discussions; consistently                                       | Participates regularly and shows engagement.               | Infrequently participates or appears distracted.                | No participation; disengaged from learning environment.                      |

| Category                              | Exceeds Expectation                                                       | Meets Expectation                                                     | Needs Improvement                                       | Unsatisfactory                                                        |
|---------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------|
|                                       | demonstrates critical thinking and focus.                                 |                                                                       |                                                         |                                                                       |
| <b>Responsibility &amp; Integrity</b> | Always meets deadlines, follows policies, and upholds academic integrity. | Usually meets deadlines and follows policies; demonstrates integrity. | Occasional late work or minor lapses in responsibility. | Repeated missed deadlines, policy violations, or academic dishonesty. |

### Attendance and Participation

Active participation in class discussions, activities, and assignments is an essential part of learning and understanding the course material. Attendance is a graded component of this course. If you anticipate being absent, please notify the instructor in advance when possible. Students should consult the assignment calendar to identify missed topics or assignments, review posted materials, and contact the instructor with any course-related questions.

Class will begin at the scheduled time. Repeated or habitual lateness may result in a deduction in the professionalism grade. Participation in lab activities is required for successful course completion. If you are unable to participate in a lab activity, inform the instructor as soon as possible to determine if alternative arrangements are available.

### Assignment Submission

Students are expected to follow the assignment calendar and submission procedures posted in the Blackboard course shell. Assignments should be submitted by the posted due date. Late submissions may receive partial credit in accordance with course policy. Please review the specific instructions for Discussion Boards.

### Course Communication

Announcements and updates will be posted in Blackboard and/or sent to your Owens student email account. Students should check email daily and log into Blackboard several times per week to stay informed of upcoming deadlines and assignments.

### Tests and Quizzes

All scheduled test and quiz dates are listed on the assignment calendar. Tests and quizzes will be administered on Blackboard in the Owens testing center. Please see the following link to schedule exams: <https://www.owens.edu/testing/>.

### Instructor Contact

Email is the preferred method of communication outside of posted student hours. Please include your course name in the subject line for faster response.

### Requests for Assistance

Students are encouraged to ask questions or request clarification on any course-related content. If something is unclear, inform the instructor promptly so that it can be addressed. All courses in this program build on previous material, so understanding current topics is essential to future success.

### Instructor Expectations and Responsibilities

### **Class Time and Attendance**

Instructors will begin and end class at the scheduled times. If a class must be canceled or rescheduled, students will be notified as soon as possible via email and/or a Blackboard announcement.

### **Grading of Assignments**

Assignments submitted by the posted due date will generally be graded and recorded in the Blackboard Grade Center within 3 days. Assignments submitted after the due date may require up to 8 days for grading.

### **Email Communication**

Instructors will make every effort to respond to emails within 12 hours on weekdays and within 48 hours on weekends. Students should use their Owens student email account for all course-related correspondence and include the course name in the subject line.

### **Announcements**

Course updates, reminders, and important information will be posted on the Blackboard Announcement page and/or sent to students' Owens email accounts.

### **Student Hours**

Designated student hours are set aside for individual meetings outside of class time. During these times, instructors are available to address course-related questions or concerns and provide academic guidance.

### **Support for Course Success**

Students are encouraged to ask questions and seek clarification on any course material. Instructors may reach out to individual students or the entire class to address course-related needs. Referrals to campus academic resources may be provided when appropriate to support student learning and success.

### **Classroom Environment:**

This course fosters a professional and respectful learning environment where all students can participate and succeed. Students are encouraged to contribute to discussions, ask questions, and share ideas related to the course material. All participants are expected to communicate courteously, listen attentively, and conduct themselves with professionalism at all times.

### **How Grades are Determined and Major Assignments**

| <b>Evaluation Measure</b> The grade points for the areas of work are as follows. | <b>Student Learning Outcomes Assessed</b>                   | <b>Value</b>       |
|----------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------|
| Surg Tech in Practice (weekly online modules & instrument activities)            | SLOs 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 15, 16, 18, 19    | 1300 points        |
| Incision Academy (interactive learning modules)                                  | SLOs 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18 | 1100 points        |
| Surg Tech in Practice Exams (unit exams)                                         | SLOs 1-10, 13, 14, 16                                       | 200 points         |
| Pecha Kucha Project (presentation & research)                                    | SLOs 1, 2, 3, 4, 7, 14, 17, 18, 19                          | 200 points         |
| Five Week Activities (timeline, proposals, scenarios)                            | SLOs 1, 3, 4, 6, 8, 9, 10, 11, 14, 15, 18                   | 155 points         |
| Quizzes/Exams (content quizzes & midterm/final)                                  | SLOs 1-10, 12, 13, 14, 16                                   | 200 points         |
| Lab Instrument Quizzes (weekly instrument ID & use)                              | SLOs 1, 3, 5, 8, 11, 12, 13, 15, 18, 19                     | 500 points         |
| Lab Activities (skills practice & check-offs)                                    | SLOs 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19  | 400 points         |
| Lab Final Instrument Exam                                                        | SLOs 1, 3, 5, 11, 12, 13, 15, 18, 19                        | 100 points         |
| Lab Final Skills Assessment                                                      | SLOs 3, 4, 5, 6, 11, 12, 13, 14, 16, 17, 18, 19             | 100 points         |
| Lab Professionalism (attendance, teamwork, surgical conscience)                  | SLOs 2, 7, 9, 10, 17, 18, 19                                | 240 points         |
| <b>TOTAL</b>                                                                     | —                                                           | <b>4495 points</b> |

### Grading Procedure:

Grades will be calculated on the following scale:

| <b>Grade Percentage</b> | <b>Point Totals</b>      | <b>Letter Grade</b> |
|-------------------------|--------------------------|---------------------|
| 91-100                  | 4090.45 – 4495.00        | A                   |
| 82-90.99                | 3685.90 – 4090.00        | B                   |
| <b>73-81.99</b>         | <b>3281.35 – 3685.45</b> | <b>C</b>            |
| 64-72.99                | 2876.80 – 3280.90        | D                   |
| 0-63.99                 | 0 – 2876.35              | F                   |

### Tentative Class Assignments:

| <b>Week</b>             | <b>SLO</b>      | <b>Topic</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b><br><b>DATE</b> | <b>1,18, 19</b> | <b>Topic:</b> Introduction to Sterile Processing, Roles and Responsibilities<br><b>Readings:</b> Rutherford Chapter 1<br><b>Assignments:</b> <ul style="list-style-type: none"> <li>○ Access Incision Academy</li> <li>○ Access Surg Tech in Practice</li> <li>○ Acknowledge Syllabi and Program Handbook</li> <li>○ Complete survey for clinical rotation</li> <li>○ <b>Surg Tech In Practice:</b> Instruments, Care of Instruments, and Set-up Guidelines all activities.</li> <li>○ <b>Incision Academy:</b> Intro to Surgical Instrument Reprocessing</li> </ul> <b>Lab:</b> <ul style="list-style-type: none"> <li>○ Go over Medical Requirements for Clinical</li> <li>○ Tour SPD</li> <li>○ Identify Critical Zones</li> <li>○ PPE Locations</li> </ul> |

| Week      | SLO         | Topic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |             | <ul style="list-style-type: none"> <li>Begin general surgery instrumentation</li> <li><b>Activity:</b> Instrument Exploration</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 2<br>DATE | 1, 2, 3     | <p><b>Topic:</b> Microbiology &amp; Infection Control</p> <p><b>Readings:</b> Rutherford Chapter 2</p> <p>Assignments:</p> <ul style="list-style-type: none"> <li><b>Surg Tech in Practice:</b> General Surgery Instruments All Activities</li> <li><b>Interactive Timeline:</b> History of Sterilization</li> <li><b>Week 2 Activity:</b> Instrument Basics</li> </ul> <p>Lab:</p> <ul style="list-style-type: none"> <li>Microscope slide observation</li> <li>Hand Hygiene Lab</li> <li>Continue General Surgery Instruments</li> </ul>                                                                                                                                                                                                                 |
| 3<br>DATE | 3, 4, 6     | <p><b>Topic:</b> Decontamination: Principles and Equipment</p> <p><b>Readings:</b> Rutherford Chapter 5</p> <p>Assignments:</p> <ul style="list-style-type: none"> <li><b>Surg Tech In Practice:</b> GYN Instruments All Activities</li> <li><b>Incision Academy:</b> Anatomy Part I and Part II</li> <li><b>Understanding the Infection Pathway</b></li> <li><b>Project:</b> Pecha Kucha Proposal Due</li> </ul> <p><b>Lab Quiz:</b> General Surgery Instruments</p> <p><b>Lab:</b></p> <ul style="list-style-type: none"> <li>Demonstrate decontamination practices</li> <li>Review Hazards of Chemicals Used in SPD (SDS)</li> <li>Demonstrate Terminal Cleaning</li> <li><b>Complete Decontamination Challenge</b></li> <li>GYN Instruments</li> </ul> |
| 4<br>DATE | 7, 8, 9, 10 | <p><b>Topic:</b> Point of Use Cleaning and Transport</p> <p><b>Readings:</b> Rutherford Chapter 6</p> <p>Assignments:</p> <ul style="list-style-type: none"> <li><b>Surg Tech in Practice:</b> GU Instruments All Activities</li> <li><b>Surg Tech in Practice:</b> Exam I (Instrument Care, General, and GYN Instruments)</li> <li><b>Incision Academy:</b> Basic Medical Terminology and Basics of Surgical Instrumentation</li> <li><b>Quiz:</b> POU Decontamination, Regulations, and Disinfection</li> </ul> <p><b>Lab Quiz:</b> GYN Instruments</p> <p><b>Lab:</b></p> <ul style="list-style-type: none"> <li>POU Cleaning Simulation</li> <li>Transport Methods</li> <li>Transport tagging</li> <li>GU Instruments</li> </ul>                       |
| 5<br>DATE | 9, 10, 14   | <p><b>Topic:</b> Instrument Inspection and Assembly</p> <p><b>Readings:</b> Rutherford Chapter 3 and 4</p> <p>Assignments:</p> <ul style="list-style-type: none"> <li><b>Surg Tech In Practice:</b> Robotic Instruments and Laparoscopic Instruments All Activities</li> <li><b>Incision Academy:</b> Automated Decontamination and Introduction to Disinfection</li> <li><b>Project:</b> Pecha Kucha Rough Draft I Due</li> <li><b>Decontamination Flowchart</b></li> </ul> <p><b>Lab Quiz:</b> GU Instruments</p> <p><b>Lab:</b></p> <ul style="list-style-type: none"> <li><b>Instrument Inspection Assignment</b></li> <li><b>Tray assembly</b></li> <li>Robotic and Laparoscopic Instruments</li> </ul>                                               |
| 6         | 11, 12,     | <b>Topic:</b> Packaging Systems (Peel Packs, Rigid Containers, Wrapping)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| Week           | SLO               | Topic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>DATE</b>    | <b>13, 5</b>      | <b>Readings:</b> Rutherford Chapter 7<br><b>Assignments:</b> <ul style="list-style-type: none"> <li>○ <b>Surg Tech In Practice:</b> Ortho Instruments All Activities</li> <li>○ <b>Surg Tech In Practice:</b> Exam II (GU, Lap, Robotics, and Ortho)</li> <li>○ <b>Incision Academy:</b> High-Level Disinfection</li> <li>○ <b>AI Instrument Tray Scenario and Peer Review</b></li> <li>○ <b>Quiz</b></li> </ul> <b>Lab Quiz:</b> Robotic and Laparoscopic Instruments<br><b>Lab:</b> <ul style="list-style-type: none"> <li>○ Peel Pouch Instruments</li> <li>○ Package Trays in rigid containers</li> <li>○ Ortho Instruments</li> </ul>                                                                                                                                         |
| <b>7 DATE</b>  | <b>11, 12, 13</b> | <b>Topic:</b> Chemical, Biological, Mechanical Indicators and Monitoring<br><b>Readings:</b> Rutherford Chapter 12<br><b>Assignments:</b> <ul style="list-style-type: none"> <li>○ <b>Surg Tech In Practice:</b> Ophthalmic Instruments All Activities</li> <li>○ <b>Incision Academy:</b> Introduction to Inspection, Assembly and Packaging</li> <li>○ <b>Quiz:</b> Packaging Materials</li> </ul> <b>Lab Quiz:</b> Ortho Instruments<br><b>Lab:</b> <ul style="list-style-type: none"> <li>○ Identify Various Biological and Chemical Indicators and Test</li> <li>○ Document BI Indicator Tests</li> <li>○ Ophthalmic Instruments</li> </ul>                                                                                                                                   |
| <b>DATE</b>    | <b>DATE</b>       | <b>Topic:</b> Steam Sterilization: Gravity and Prevacuum<br><b>Readings:</b> Rutherford Chapter 11<br><b>Assignments:</b> <ul style="list-style-type: none"> <li>○ <b>Surg Tech In Practice:</b> Dental &amp; Maxillofacial Instruments All Activities</li> <li>○ <b>Incision Academy:</b> Packaging Instruments for Sterilization and Introduction to Sterilization</li> <li>○ <b>Project:</b> Pecha Kucha Rough Draft II Due</li> </ul> <b>Lab Quiz:</b> Ophthalmic Instruments<br><b>Lab:</b> <ul style="list-style-type: none"> <li>○ Run Distilled Water Cycles</li> <li>○ <b>Activity:</b> Gravity vs. Prevacuum Steam Sterilization</li> <li>○ <b>Activity:</b> Cycle Failures &amp; Troubleshooting Challenge</li> <li>○ Dental &amp; Maxillofacial Instruments</li> </ul> |
| <b>9 DATE</b>  | <b>11, 12</b>     | <b>Topic:</b> Sterilization Sterrad (gas plasma), Ethylene Oxide, and others<br><b>Readings:</b> Rutherford Chapter 10<br><b>Assignments:</b> <ul style="list-style-type: none"> <li>○ <b>Surg Tech In Practice:</b> Ear, Nose and Throat Instruments all Activities</li> <li>○ <b>Incision Academy:</b> Steam Sterilization and Hydrogen Peroxide Sterilization</li> </ul> <b>Lab:</b> <ul style="list-style-type: none"> <li>○ <b>Activity:</b> Low-Temperature Sterilization Case Study Challenge</li> <li>○ <b>Activity:</b> Sterilization Failure &amp; Safety Simulation</li> <li>○ Ear, Nose and Throat Instruments</li> </ul>                                                                                                                                              |
| <b>10 DATE</b> | <b>15, 16</b>     | <b>Topic:</b> Sterile Storage and Case Cart Preparation<br><b>Readings:</b> Chapter 9<br><b>Assignments:</b> <ul style="list-style-type: none"> <li>○ <b>Surg Tech In Practice:</b> Exam III (Eyes, Dental, and ENT)</li> <li>○ <b>Surg Tech In Practice:</b> Plastic Surgery Instruments all Activities</li> <li>○ <b>Incision Academy:</b> Steam Sterilization Process Monitoring and Routine Load Release</li> </ul>                                                                                                                                                                                                                                                                                                                                                            |

| Week       | SLO               | Topic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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|            |                   | <ul style="list-style-type: none"> <li>○ <b>Quiz:</b> Sterilization</li> </ul> <b>Lab Quiz:</b> Dental & Maxillofacial and ENT<br><b>Lab:</b> <ul style="list-style-type: none"> <li>○ <b>Activity:</b> Sterile Storage Scavenger Hunt &amp; Error Identification Challenge</li> <li>○ <b>Activity:</b> Case Cart Preparation Simulation &amp; time Challenge</li> <li>○ Plastic Surgery Instruments</li> </ul>                                                                                                                                                                                                                                                                                                                    |
| 11<br>DATE | 14, 15,<br>16, 17 | <b>Topic:</b> Inventory Management, Tracking Systems, and Quality Assurance<br><b>Readings:</b> Rutherford Chapter 8<br><b>Assignments:</b> <ul style="list-style-type: none"> <li>○ <b>Surg Tech In Practice:</b> Neuro Instruments all Activities</li> <li>○ <b>Incision Academy:</b> Hydrogen Peroxide Sterilization Process Monitoring and Routine Load Release &amp; Sterilization Efficacy Monitoring and Qualification Testing</li> </ul> <b>Lab Quiz:</b> Plastic Surgery Instrumentation<br><b>Lab:</b> <ul style="list-style-type: none"> <li>○ <b>Activity:</b> Inventory Management Simulation</li> <li>○ <b>Activity:</b> Tracking &amp; Quality Assurance Scenario Challenge</li> <li>○ Neuro Instruments</li> </ul> |
| 12<br>DATE | 5, 17,<br>18      | <b>Topic:</b> Special Processing: Loaner Instruments, Implants, etc.<br><b>Readings:</b> Rutherford Chapter 9<br><b>Assignments:</b> <ul style="list-style-type: none"> <li>○ <b>Surg Tech In Practice:</b> Vascular, Cardiac, and Thoracic Instruments all Activities</li> <li>○ <b>Incision Academy:</b> Intro to Sterile Storage and Inspection, Rotation, and Transport of Sterile Inventory</li> </ul> <b>Lab Quiz:</b> Neuro Instruments<br><b>Lab:</b> <ul style="list-style-type: none"> <li>○ <b>Activity:</b> Loaner Tray Inspection &amp; Documentation Challenge</li> <li>○ <b>Activity:</b> Implant Verification &amp; Traceability Simulation</li> <li>○ Vascular Instruments</li> </ul>                             |
| 13<br>DATE | 14, 15,<br>16     | <b>Topic:</b> Mock Inspections: Checklist for OSHA, TJC, fire drill review<br><b>Readings:</b> Rutherford Chapter 9<br><b>Assignments:</b> <ul style="list-style-type: none"> <li>○ <b>Surg Tech In Practice:</b> Exam IV (Plastics, Neuro, &amp; Vascular)</li> <li>○ <b>Incision Academy:</b> The Role of Water Quality in Sterile Processing</li> <li>○ <b>Project:</b> Pecha Kucha Due</li> </ul> <b>Lab Quiz:</b> Vascular Instruments<br><b>Lab:</b> <ul style="list-style-type: none"> <li>○ <b>Activity:</b> Mock Compliance Audit – OSHA &amp; TJC Checklist Walkthrough</li> <li>○ <b>Activity:</b> Fire Drill &amp; Emergency Response Role-Play</li> </ul>                                                             |
| 14<br>DATE | 1, 5, 17          | <b>Variable Review</b><br><b>Lab:</b> <ul style="list-style-type: none"> <li>○ No Lab for Thursday labs</li> <li>○ Tuesday lab is optional</li> <li>○ Lab will be open on Tuesday for casual review or make-ups</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 15<br>DATE | 1-19              | <b>Topic:</b> Review<br><b>Assignments:</b> <ul style="list-style-type: none"> <li>○ <b>Project:</b> Pecha Kucha Peer Review Due</li> </ul> <b>Lab:</b> <ul style="list-style-type: none"> <li>○ Review all instruments for comprehensive final</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 16<br>DATE | 1-19              | <b>Topic:</b> Finals<br><b>Assignment:</b> <ul style="list-style-type: none"> <li>○ <b>Exam:</b> Final Exam</li> </ul> <b>Lab:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| <b>Week</b> | <b>SLO</b> | <b>Topic</b>                                                                                                              |
|-------------|------------|---------------------------------------------------------------------------------------------------------------------------|
|             |            | <ul style="list-style-type: none"> <li>○ Final Comprehensive Instrument Exam</li> <li>○ Skill Assessment Final</li> </ul> |

Disclaimer: The instructor reserves the right to amend this syllabus as deemed necessary and will communicate such amendment to the students in the course. Please note that while unlikely, there is a possibility courses might need to change the delivery method due to external issues like public health concerns, weather issues, etc. If this happens, the college will communicate any changes via email and/or other communication methods.