

SYLLABUS

Skytron Service Training Level 1

2010 SYLLABUS

Instructor: Dale Tallady

Contact hours:	Monday through Friday 8:30 AM to 5:00 PM (Eastern Standard Time)
Phone:	616-656-2853
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Class meetings:	9:00 AM to 5:00 PM
Location:	Skytron Headquarters 5085 Corporate Exchange Blvd. S.E. Grand Rapids, Michigan 49512

COURSE DESCRIPTION:

Skytron Service Training Level 1

Skytron lights, tables and surgical utility booms:

This course will cover basic mechanical adjustment procedures for SKYTRON Lights, Tables, and Surgical Utility Booms. Attendees will learn model nomenclature and identification of Skytron products and related component terminology. A hands-on trouble-shooting session will accompany the Skytron Surgical Tables segment and is intended to familiarize students with preventative maintenance procedures.

COURSE OBJECTIVES:

1. Be able to accurately identify models of Skytron products.
2. Be able to use correct component terminology.
3. Understand the theory of operation by product.
4. Be able to make mechanical adjustments to Skytron surgical tables, lights and utility booms.
5. Be able to make hydraulic adjustments to Skytron surgical tables and utility booms.
6. Be able to make any diagnose and make electrical adjustments to Skytron surgical tables, lights and utility booms.

7. Be able to accurately use testing procedures outlined in Skytron service literature.
8. Be able to trouble-shoot a number of preventative maintenance issues.
9. Hands-on experience with surgical tables familiarizing the attendee with basic cylinder repair, electrical diagnosis, special tools and techniques.

COURSE FORMAT:

This course is taught using a variety of instructional methods including Power Point presentations, class discussions, demonstrations, and hands on adjustments/test procedures.

EVALUATION AND GRADING:

Grading standards

Hospital personnel are required to attain a final score of 70% or better in each product category to receive a Level 1 Certificate of Completion for each course taken.

Skytron Representatives are required to attain a final score of 80% or better in product category to receive a Level 1 Certificate of Completion for each course taken.

Surgical tables

There will be a total of four tests for the surgical table portion of this training course. Each quiz will account for 12.5% of your grade. These quizzes will count for only 50% of your total score and the hand on trouble shooting will make up the other 50% of the grade for this portion.

Skytron surgical tables:

General terminology
Hydraulic quiz
Electrical quiz

Surgical lights

There will be one quiz for this portion of training. This quiz accounts for 100% of the grade for this portion.

Skytron surgical lights.

General quiz

Surgical utility booms

There will be one quiz for this portion of training. This quiz will account for 100% of the grade for this portion.

Skytron surgical utility boom:

General quiz

COURSE SCHEDULE	
DATE	TOPIC
Monday	Surgical Tables <ul style="list-style-type: none">• Seminar objectives• Literature overview• Table module comparisons• Positioning terminology• Component terminology• Component and Positioning Quiz• Hydraulic system objectives• Hydraulic cylinder overview• Hydraulic cylinder operation• Hydraulic trouble shooting• Table adjustments hydraulic and mechanical• Hydraulic Quiz
Tuesday	<ul style="list-style-type: none">• Electrical theory of operation

COURSE SCHEDULE

DATE	TOPIC
	<ul style="list-style-type: none"> • Components and functions • Electrical measurements • Electrical test procedures • Battery table components • Battery table system details • Electrical trouble shooting • Electrical Test • Maintenance Video • General questions • Itinerary for hands-on
Wednesday	<ul style="list-style-type: none"> • Hands-on trouble shooting (Surgical Tables) <p>There will be six Skytron surgical tables that the class will go over and identify problems on. This portion concentrates on preventative maintenance procedures.</p>
Thursday	<p>Surgical Lights</p> <ul style="list-style-type: none"> • Course objectives • Literature overview • Component terminology • Model nomenclature • Cleaning agents for lights • Mounting structure detail / Electrical Requirements • Installation procedures • Mechanical adjustments (Hands-on) • Routine service / Trouble shooting • Camera system overview • Skylight overview • General Questions • Test
Friday	<p>Surgical Utility Booms</p> <ul style="list-style-type: none"> • Component terminology and nomenclature • Module identification • Mounting structure detail • Medical gas system over view • High pressure oil system dangers overview • Installation procedures • Mechanical adjustments (Hands-on) • Routine service / Trouble shooting • General Questions and class overview • Test