

DAY 1

- **Controller**
- **Safety**
- **Estop**
- **SCARA Robots**
- **Six Axis Robots**
- **Points**
- **Command Mode**
- **Print Command**
- **Lab 1 (Tutorial)**
- **Run Window**
- **Teach Pendant**
- **Reset**
- **Motor**
- **Sfree**
- **Brake**
- **Keyword discussion**
- **Pulse Function**
- **IO Monitor**
- **IO Labels**
- **On / Off Outputs**
- **Wait Command (Time, input condition)**
- **SW Command (Discreet input condition command)**
- **Points**
- **Point Naming**
- **Epson RC+ Project**
- **SPEL+ Programs**
- **Importing Projects**
- **Saving Projects**
- **Importing Files**
- **Functions**
- **Building & Compilation**
- **Comments**
- **Robot Manager**
- **Lab2 (Developer basics and control structure)**

DAY 2

- **Motion Commands**
- **Robot Joint Orientations**
- **Power**
- **Velocity Control**
- **Variable Data**
- **Coding Structures**
- **Exits**
- **Lab 3 Working with code structures**
- **Lab 4 Executing in High Power**
- **Tools**
- **Working with Robot Points**
- **Coordinate Function & Statement**
- **Limz (Z Limit)**
- **Pallet**
- **Lab #5 (Pallet stacking packaging routine)**
- **Debugger**
- **Lab #6 (Source level Debugging)**
- **Help**
- **Motion Control / Optimization**
- **Timers**
- **Lab #7 (Cycle time capture)**
- **Arch**
- **Fine**
- **Weight**
- **Inertia**
- **Lab #8 (Influencing cycle time)**
- **Lab #9 (Limz)**
- **Controller Tools**
- **System History**
- **Remote Control**
- **Lab #10 (Remote Control)**

DAY 3

- **Multiple Controller Tasks**
- **Task Management**
- **TW Function (Wait time reaction trigger)**
- **Motion Suspension Techniques**
- **Tasking Execution Examples**
- **Lab #11 (Controlled Multitasking)**
- **Lab #12 (Suspension Techniques)**
- **Traps**
- **Lab 13 (User Trap)**
- **TW Function (Wait time reaction trigger)**
- **Goto / GoSub**
- **Select / Send (Case)**
- **Error Handling**
- **Lab #14 (Error Handling)**
- **User Errors**
- **Lab #15 (User Errors)**
- **Introduction to Advanced Topics**
- **Passing Parameters (ByVal and ByRef)**
- **Serial Communications**
- **CurPos (Sample current position)**
- **Preprocessor Directives (#Define ..)**
- **API (Overview)**
- **Fieldbus I/O (Overview)**
- **Question and Answer**
- **Open Lab**