

**Course Information Sheet****Course Name: Principles of Construction****Instructional Material: iCEV****First Semester:**

Week 1	Introduction to Construction & Safety
Week 2	Personal Protective Equipment (PPE) & Hazard Communication
Week 3	Hand Tools
Week 4	Power Tools
Week 5	Construction Site Safety & Job-site Awareness
Week 6	Construction Mathematics
Week 7	Construction Drawings & Blueprint Reading
Week 8	Estimating & Bidding
Week 9	Building Materials: Wood
Week 10	Building Materials: Steel & Concrete
Week 11	Introduction to Framing
Week 12	Floor & Wall Framing
Week 13	Roof Framing
Week 14	Exterior Finishes: Siding & Roofing
Week 15	Exterior Finishes: Windows & Doors
Week 16	Basic Electrical Systems
Week 17	First Semester Review
Week 18	First Semester Final

**Second Semester:**

Week 19	Basic Plumbing Systems
Week 20	Basic HVAC Systems
Week 21	Interior Finishes: Drywall & Insulation
Week 22	Interior Finishes: Trim & Millwork
Week 23	Interior Finishes: Flooring & Cabinets
Week 24	Heavy Equipment & Rigging
Week 25	Construction Site Layout & Foundations
Week 26	Masonry
Week 27	Concrete
Week 28	Project Management & Scheduling
Week 29	Communication & Employability Skills
Week 30	Leadership & Professionalism
Week 31	Green Construction & Sustainability
Week 32	Emerging Technologies in Construction
Week 33	Career Opportunities in Construction
Week 34	Construction Codes, Regulations & Contracts
Week 35	Final Review
Week 36	Final Exam