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| Prereq.:0300102 | Course #:0902209 | Surveying [**3** – **0** – **3**] |
| The course covers basic definitions in Surveying, Recording field data and notes, Error types and sources, Units of measurements Metric and English system, Plotting and map scale, Linear and angular measurements, Surveying equipment and instruments, Leveling and contours principles, Angles Azimuths and Bearings, Coordinate systems and traverse principles, Alignment and horizontal curves, Types, Geometric design of simple, spiral and compound Horizontal Curves. Vertical Alignment and Vertical Curves. Area and Volumes Calculations. |