Technical Office Survey

Course details

Description:

After the course ends , another project will extract data from beginner and evaluated this data .

Course structure:

Course name   **24** hour
                          8 lectures

Resourcing, text books and reading material:

We recommend the following resources:

- Autodesk Civil 3D 2023 Fundamentals
- AutoCAD - Engineering Surveyor

Web resources:

- https://www.autodesk.com/products/autocad/overview
- http://seek.autodesk.com/
- https://help.autodesk.com/view/ACD/2022/ENU/
- https://www.autodesk.com/products/ CIV3D /overview
- http://seek.autodesk.com/
- https://help.autodesk.com/view/CIV3D/2023/ENU/

Prerequisites:

- Basic knowledge and skills about using computers.
- Engineering background is recommended

Certificates:

- Certificate from CAD MASTERS
- Certificate from Autodesk

Grading:

Attendance   40%
Assignments   60%

To pass the course and receive both Autodesk certificate & CAD MASTERS certificate you should:

- Attend at least 80% of course hours
- Score more than 70% as a total score

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Kuwait: Mubarak Al kabier., Sabah Al Salem.

www.cadmasters.org

Course Outline:

This course including the following:

AutoCAD :

- How to draw from beginner to advanced
- Knowledge panels Draw, Modify and Annotate
- Survey data
- Export coordinates with lisp
- Draw survey data in CAD with point and Sokkia link
- Using Sokkia link to CAD
- How to convert SDR from Sokkia link to CAD or CSV
- Knowledge everything about CAD
- Print in CAD with tricks
- Print Arabic text with tricks
- Print with scale
- How to draw image in CAD
- How to draw Ground floor with PDF
- Attach PDF
- How to convert pdf to CAD drawing and using it
- How to use collaborate panel
- Create Blocks
- How to convert CAD drawing from mm to m
- Solve problem in site with technical office
- How to convert CAD Drawing to Google Earth (Global Mapper)

Civil 3D :

- Point group
- Import point to civil 3d
- Export data and points
- Convert point CAD to Civil 3d
- Create point group

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- Create surface with point group / point file / counter / bark line

- Edit surface (boundary)

- Quantity survey with two surface

- View elevation in surface with annotate and 3d

- Compare (line / polyline / 3D polyline / Feature line)

- Draw feature lines and makes slope

- Export drawings

- Export coordinates and with lisp

- How to convert coordinate UTM to ETM

- Knowledge about coordinates system

- Traverse Adjustment

- Alignment ROAD design

- Create Alignments

- Create Parcel with Area

AUTODESK

knowledge
makes a difference

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