



UNIVERSIDAD LIBRE®

Personería Jurídica No. 192 de 1946 de Mingobierno
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FREE UNIVERSITY PEREIRA SECTION

UNDERGRADUATE PROGRAM IN ENVIRONMENTAL ENGINEERING



SUBJECT: PHOTOGRAMMETRY

CODE: -----

SEMESTER: EIGHTH

HOURS WEEKLY: 4

THEORETICAL: 2

PRACTICES: 2

PREREQUISITES: SOILS II -

ENVIRONMENTAL GEOLOGY AND SYSTEMS III

GOALS :

That the student knows the basic principles of photogrammetry and is able to apply the conceptual bases in the field of environmental engineering.

METHODOLOGY:

The course will be developed with an explanation from the teacher about the course content.

Students will be responsible for carrying out the exercises leading to strengthening their





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knowledge of the topics learned, developing the structure with all the elements

of a work or project that will be presented at the end of the course.



CONTENT :

1. Basic principles of photogrammetry
2. Aerial cameras
3. Aerial photographs
4. Flight planning and evaluation
5. Stereoscopic vision
6. Parallax and floating mark
7. Measurement and estimation of slopes
8. Planimetric determination of control points
9. Approximate photographic instruments
10. Reading and photointerpretation of maps
11. Steograms, stereotriplets, multiplets and photomosaics.



BIBLIOGRAPHY:

DEAGOSTINI RD Introduction to Photogrammetry. FEI. Bogotá 1990

Deagostini R.D. and Murillo J. Approximate photogrammetric instruments. CIAF 1992





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AMERICAN SOCIETY OF PHOTOGRAFOMETRY. Manuals of photographic interpretation,

1960 and 1966

