

SYLLABI FOR THE SUBJECTS IN THE GEODETIC AND JUNIOR GEODETIC ENGINEERING LICENSURE EXAMINATIONS

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WHEREAS, the Commission has issued these policies and directives on licensure examinations: (1) Memorandum Circular No. 8, Series of 1992; (2) Res. No. 265, Series of 1993, (3) Memorandum Circular No. 93-03, Series of 1993, and (4) Memorandum Circular No. 93-04, series of 1993;

WHEREAS, Section 17 of RA. No. 4374, "The Geodetic Engineering Law", provides the subjects in Geodetic Engineering licensure examinations and empowers the Board to prescribe other subjects;

WHEREAS, a syllabus for a subject will not bring about overlapping of subjects and will accordingly guide the Board members, examinees, and reviewers; and

WHEREAS, the Board had consulted the academe before its prescription and adoption of syllabi for examination subjects,

NOW, THEREFORE, by virtue of its quasi- legislative (rule-making) power under Sec. 10 of RA. No. 4374, the Board hereby RESOLVED, as it is so RESOLVED, to prescribe, adopt, and promulgate the syllabi for the subjects in the Geodetic and Junior Geodetic Engineering Licensure Examinations (Annex "A").

FURTHER RESOLVED, that this Resolution upon its approval by the Commission shall be effective on a date which is fifteen (15) days after the publication thereof in the Official Gazette or a newspaper of general circulation and within three (3) months prior to the examination.

FINALLY, RESOLVED, that this Resolution be widely disseminated and circularized to all colleges/schools offering the course of geodetic engineering.

Adopted: 2 Aug. 1994

(Sgd.) ROGELIO P. DE LA ROSA
Chairman

(Sgd.) RESTITUTO H. BAUTISTA
Member

(Sgd.) HERMINIO S. PADA
Member

APPROVED:

(Sgd.) HERMOGENES P. POBRE
Commissioner

(Sgd.) MARIANO A. MENDIETA
Member

(Sgd.) ARMANDO C. PASCUAL

Member

Annex "A"

Syllabi for Geodetic and Junior Geodetic Engineering

A. For Geodetic Engineers

MATHEMATICS includes Algebra, Solid Geometry, Analytical Geometry, Engineering Economics, Plane and Spherical Trigonometry, Differential Calculus, Integral Calculus, Mechanics, and Least Squares 20%

THEORY AND PRACTICE OF SURVEYING Includes Plane Surveying Isolated, Mineral, and Cadastral Land Surveying, Astronomy, Railroad, Curves and Earthworks Hydrographic and Topographic Surveying and Photogrammetry.....20%

LAWS AND REGULATIONS includes Public Land Laws, Laws on Natural Resources, Land Registration Laws, Land Reform Code, Professional and Ethical Practices, and Rules and Regulations governing land surveying.....20%

GEODESY includes Geodetic Surveying, Geodetic Astronomy, Geodetic Triangulation, Geodetic Leveling and Gravity Measurements, Derivation of formula on Map projection..... 20%

CARTOGRAPHY includes Plotting and Mapping of Isolated, Mineral, Cadastral, Hydrographic, Topographic and Photo-grammetric Surveying, Map Projections profile and cross section, railroad curves and earthworks..... 20%

100%

B. For Junior Geodetic Engineers

THEORY AND PRACTICE OF SURVEYING.....30%

MATHEMATICS (Geometry, Algebra, Plane and Spherical Trigonometry, Principles of Physics and Theory of Lenses.....20%

PUBLIC LAND AND LAND REGISTRATION LAWS. LAWS ON PROPERTY, LAWS ON NATURAL RESOURCES AND LAND REFORM LAW, Comprehensive Agrarian Reform Law.....15%

PRACTICAL PROBLEMS IN SURVEYING.....20%

PLOTTING AND MAPPING..... 15%

100%

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