

**CAMBRIAN COLLEGE**  
**of Applied Arts and Technology**  
**Sault Ste. Marie**

COURSE OUTLINE

GEOLOGICAL DRAFTING

DRF 125-2

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Revised 1970



GEOLOGICAL DRAFTING

DRF 125 - 2

REFERENCES:

Engineering Drawing and Geometry - 2nd Edition

- Hoelscher and Springer

Engineering Drawing - French and Vierck

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| TOPIC NO. | PERIODS | TOPIC INFORMATION  |
|-----------|---------|--|
| 2         | 1½      | <u>INTRODUCTION</u> <ul style="list-style-type: none"><li>- Duties of a geological draftsman.<br/>Mine, exploration, government geological survey</li><li>- Brief outline of techniques<br/>Lettering; line drawing; dimensioning and labelling; use of projections; scale enlargements and reductions, etc.</li></ul>   |
| 1         | 6       | <u>USE AND CARE OF INSTRUMENTS</u> <ul style="list-style-type: none"><li>- Regular drawing equipment<br/>Pencils; erasers; pens; inks; triangles; scales; ruling pens; papers; compass; irregular curves; lettering guide; planimeter; pantograph.</li><li>- Classroom practice exercises.</li></ul>   |
| 3         | 6       | <u>LETTERING</u> <ul style="list-style-type: none"><li>- Discussion of basic styles<br/>Single stroke Gothic; Roman; Text.</li><li>- Discussion of sub-styles.<br/>Capitals; lower case letters; vertical and slant style letters.</li><li>- Construction of the letters.<br/>Position of the hand; rules of height, width, composition, stability, etc.</li><li>- Hand lettering practice.</li><li>- Mechanical lettering practice.</li><li>- Homework exercises.</li></ul> |
| 4         | 16½     | <u>FUNDAMENTALS OF MAP DRAWING</u> <ul style="list-style-type: none"><li>- Standard layouts<br/>Surface geological, geophysical, geo-chemical maps; underground geological maps.</li><li>- Legends, symbols.</li><li>- Department of Mines requirements, re submission of geological, geophysical, and geochemical maps for assessment work credit.</li><li>- Homework and laboratory exercises.</li></ul>   |