



**CLSA Education Committee  
LSIT Review Outline  
July, 2010**

Robert M McMillan, Committee Chair  
760-846-4491 [Rob\\_LS@comcast.net](mailto:Rob_LS@comcast.net)

The Education Committee has determined that the content of the *NCEES FS Exam Specifications* is the best outline for Chapter LSIT review classes. The CLSA Education Committee Exam Prep Publication List provides suggestions for study and reference materials. This document offers additional suggestions for the LSIT candidate:

**Overview of FS Exam Specifications (Source: NCEES)**

Approximate Percentage of Knowledge Examination

- I. Algebra and Trigonometry 11%
- II. Higher Math (beyond trigonometry) 4%
- III. Probability and Statistics, Measurement Analysis, and Data Adjustment 5%
- IV. Basic Sciences 4%
- V. Geodesy, Survey Astronomy, and Geodetic Survey Calculation 6%
- VI. Computer Operations and Programming 6%
- VII. Written Communication 6%
- VIII. Boundary Law, Cadastral Law and Administration 13%
- IX. Business Law, Management, Economics, Finance, and Survey Planning Process and Procedures 6%
- X. Field Data Acquisition and Reduction 10%
- XI. Photo/Image Data Acquisition and Reduction 4%
- XII. Graphical Communication, Mapping 6%
- XIII. Plane Survey Calculation 10%
- XIV. Geographic Information System (GIS) Concepts 4%
- XV. Land Development Principles 5%

**Familiarize yourself with the detailed NCEES FS Exam Specifications.**

[http://www.ncees.org/Exams/FS\\_exam.php](http://www.ncees.org/Exams/FS_exam.php)

**Familiarize yourself with the NCEES FS Exam Reference Formulas.**

[http://www.ncees.org/Exams/FS\\_exam.php](http://www.ncees.org/Exams/FS_exam.php)

**Familiarize yourself with an NCEES approved calculator.**

**Familiarize yourself with the NCEES FS Exam Sample Questions and Solutions.**

[http://www.ncees.org/Exams/FS\\_exam.php](http://www.ncees.org/Exams/FS_exam.php)

**Determine your strengths and weaknesses.**

**Formulate an achievable and realistic exam preparation study plan and schedule.**

**Form a study group with other LSIT candidates if possible.**

Comments and feedback are appreciated.

**Seek mentors to assist with your career development.**

**Develop your own reference notebook.**

**Use the Caltrans *LS/LSIT Exam Preparation Course* Workbooks and Videos**

<http://www.dot.ca.gov/hq/row/landsurveys/LSITWorkbook/WorkbookTOC.html>

**Fill in any basic gaps with the *Basic Surveying Theory and Practice* by Oregon DoT**

[http://www.oregon.gov/ODOT/HWY/GEOMETRONICS/docs/BasicManual2000\\_02.pdf](http://www.oregon.gov/ODOT/HWY/GEOMETRONICS/docs/BasicManual2000_02.pdf)

**Review any areas of weakness using available resources.**

**Consult with your mentors.**

**Consider available college courses.**

**Consider available review courses.**

**Develop your exam strategy.**

**Typical areas requiring review include:**

Algebra, geometry, trigonometry, and higher math

Statistics and measurement analysis

ALTA/ACSM mapping

FEMA Flood plain mapping and certificates

Computer programming

GIS concepts

Business law, management, economics, finance, survey planning process and procedures.

Your suggestions are welcome!

[Rob\\_LS@comcast.net](mailto:Rob_LS@comcast.net)