



Fundamental of Engineering Examination -- Outline

Computer Based Testing



Why take the FE Exam?

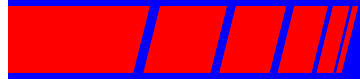
Employment

- State agencies requires FE certification

Pursue PE license

- Regulations established by state licensing boards
- General requirements
 - » Graduate from an ABET-accredited engineering program
 - » Pass FE exam
 - » Obtain 4 or more years of engineering experience (some credit given for advanced engineering degree)

Professional Career Advancement



Review Session Overview



Review Session Topics

TOPIC COVERED	INSTRUCTOR	CONTACT
Introduction	Mohammad	louaym@lsu.edu
Statics	Moorthy	moorthy@lsu.edu
Fluid Mechanics	Tsai	ftsai@lsu.edu
Strength of Materials	Moorthy	moorthy@lsu.edu
Dynamics	Waggenpack	mewagg@lsu.edu
Math	Zhang	hozhang@math.lsu.edu
Probability and Statistics	Knapp	gknapp@lsu.edu
Electrical Engineering	Farasat	mfarasat@lsu.edu

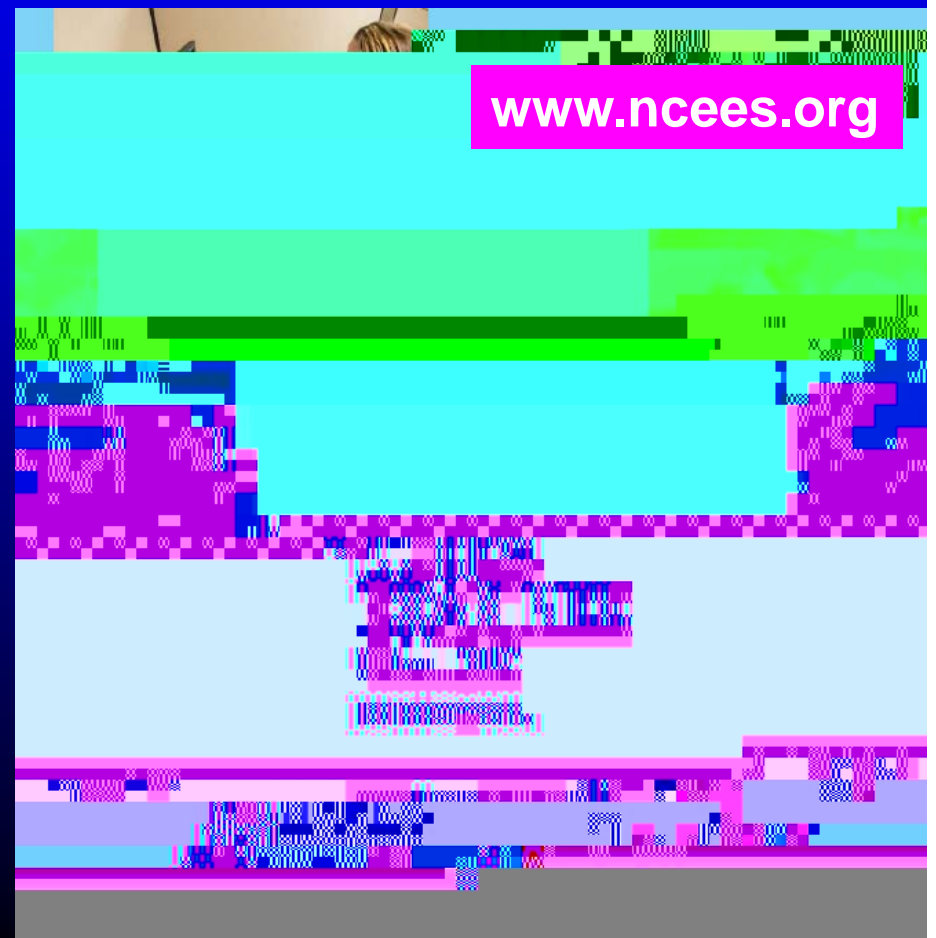
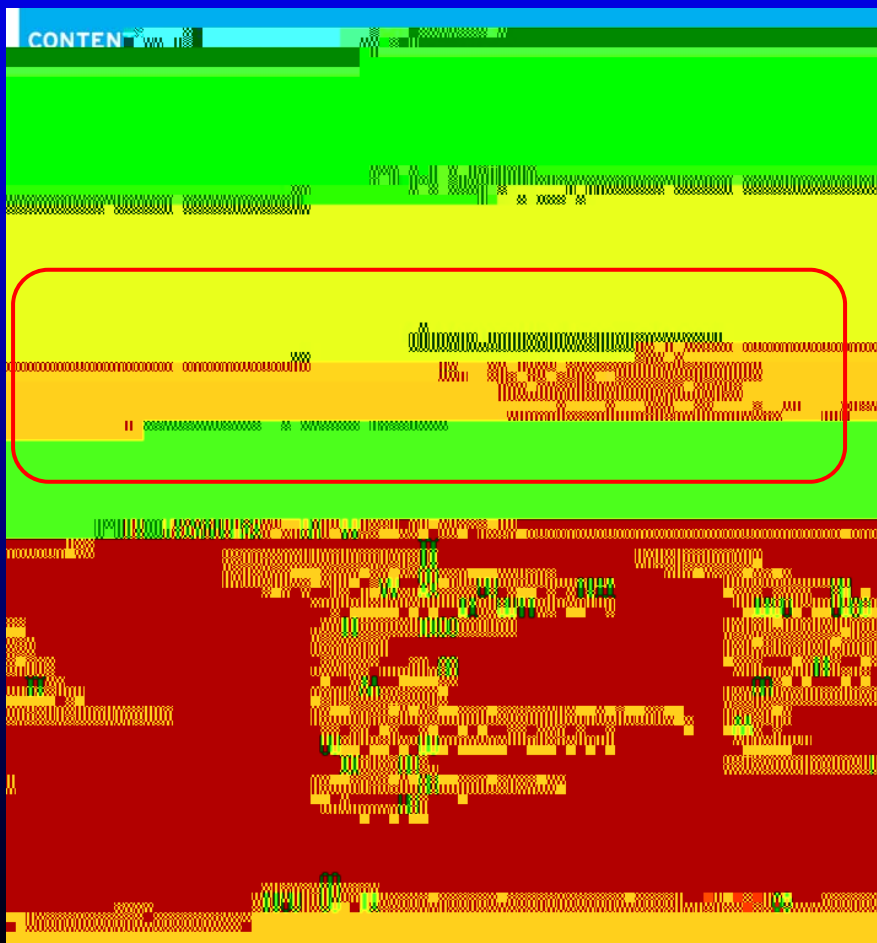
Exam Administration

NCEES administers CBT

- at approved Pearson VUE test centers

NCEES Examinee Guide – 38 Pages

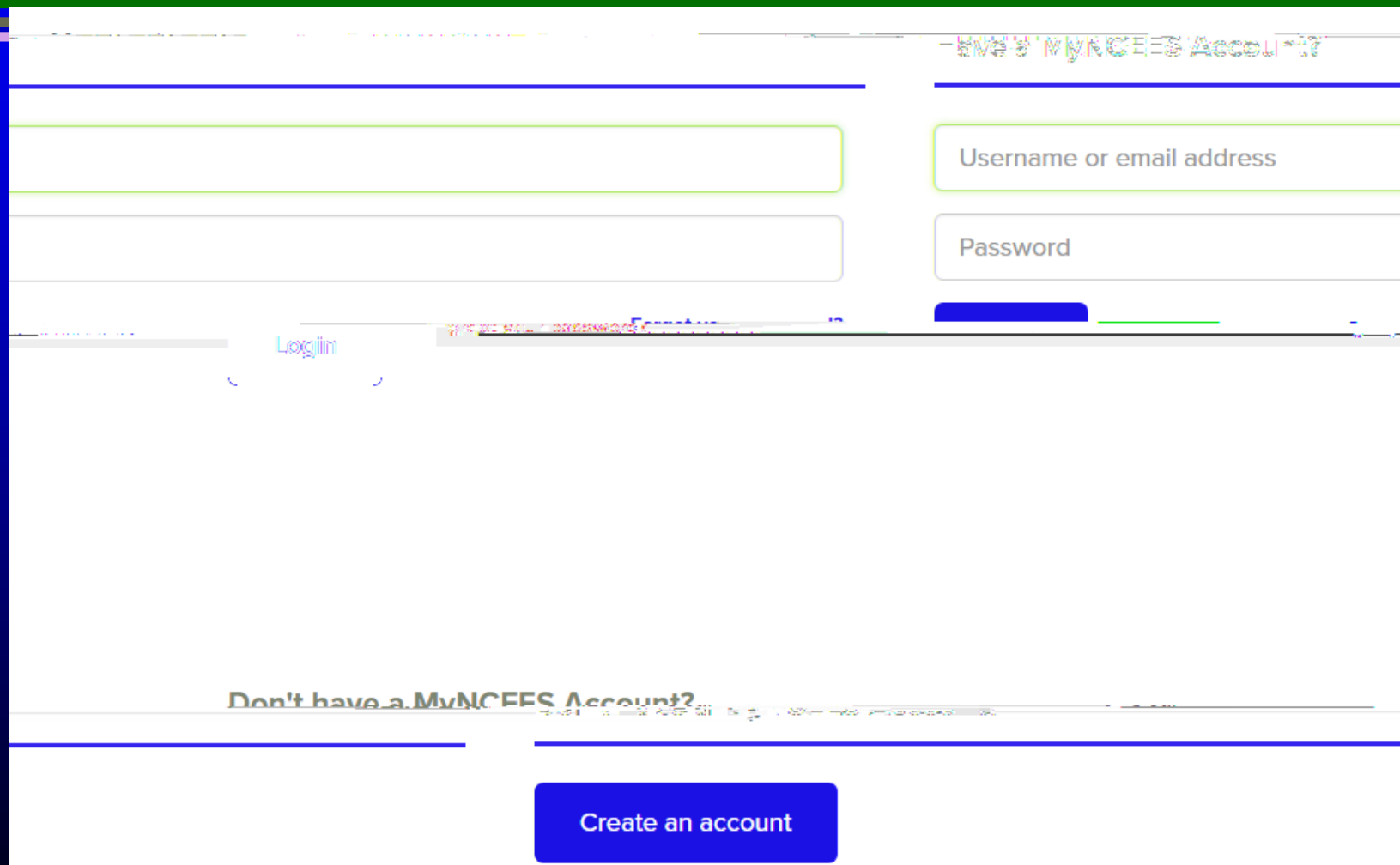
- http://ncees.org/wp-content/uploads/2015/07/ExamineeGuide_6-17-16_.pdf



Reference Materials

NCEES FE Supplied Reference Handbook

- free download
- Register or log in to [MyNCEES](#) to download your free copy of the [FE Reference Handbook](#)
- <https://account.ncees.org/login>



The image shows a screenshot of the MyNCEES login page. The page has a white background with a blue header. At the top right, it says "FE's MyNCEES Account". Below this, there are two input fields: "Username or email address" and "Password". A blue "Log In" button is positioned below the password field. At the bottom of the page, there is a blue button that says "Create an account".

FE's MyNCEES Account

Username or email address

Password

Log In

Don't have a MyNCEES Account?

Create an account

Reference Materials

[Learn -- NCEES YouTube channel](#) F QC& $\frac{3}{4}$

FE CBT Exam Specifications

Greater scheduling flexibility year-round.

- Exams will be administered 175 days a year
- Monday through Friday

Test can be taken up to 3 times in a twelve month period and, but only once per testing window

Effective January 1, 2016

- Year-Round Testing (January – December)
-

FE Exam specifications

Total Duration of Exam: 6:00

- Nondisclosure agreement: 0:02
- Tutorial: 0:08 minutes
- Exam length: 5:20
- Scheduled Break: 0:25

Test make up

- 7 Discipline Specific Exams: <http://ncees.org/exams/fe-exam/>
 - » Chemical
 - » Civil
 - » Electrical/ Computer
 - » Environmental
 - » Industrial
 - » Mechanical
 - » Others
- 110 multiple choice questions and *alternative item types (check website)*
- Passing score
- Expert committee
- Level of performance
 - » Corresponds with minimal competence in that discipline

G]XY%

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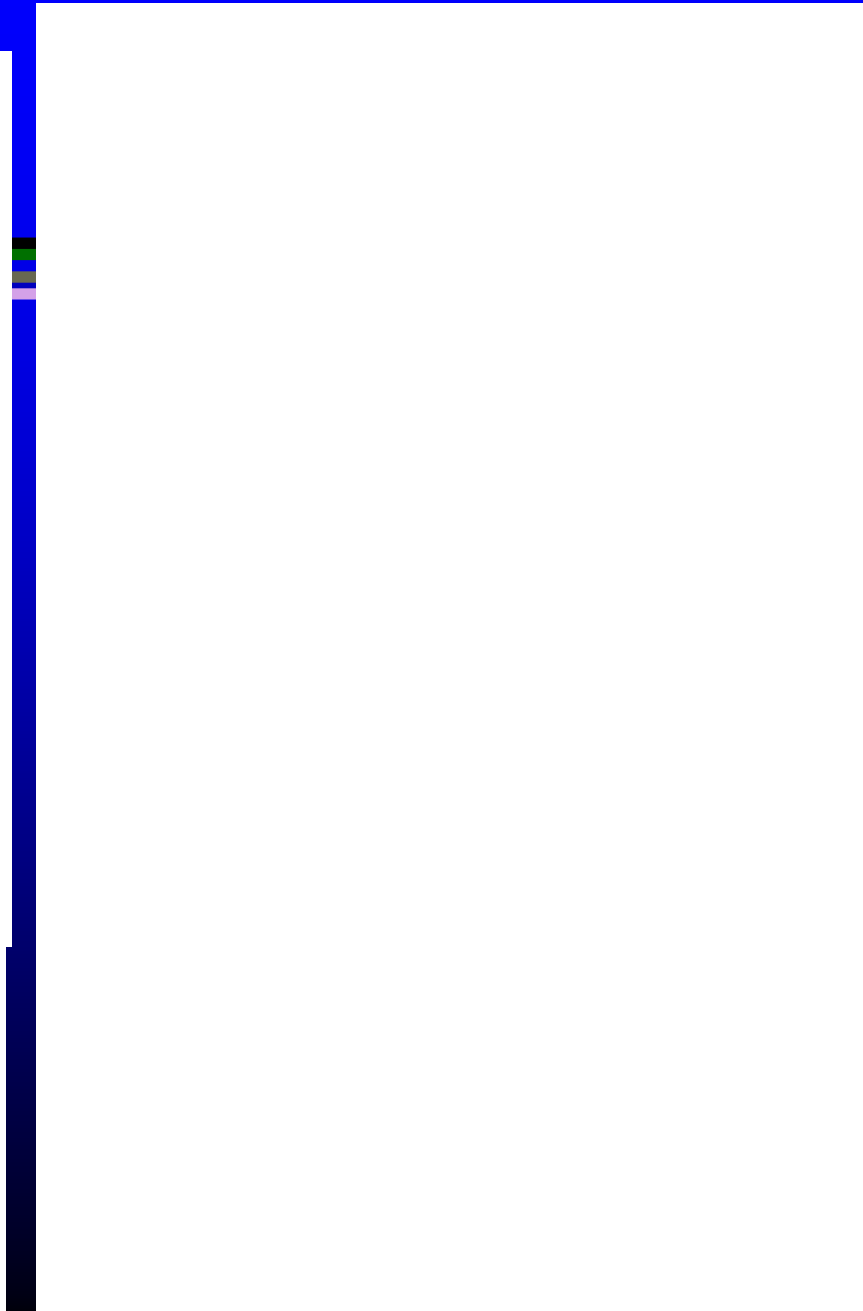
or we can put this:

<http://cbt.ncees.org/major-domains-for-the-fe-exams-beginning-in-2014/>

This is the website that lists the links for each discipline spec

Student, 6/21/2013

FE Exam specifications – Example of Industrial



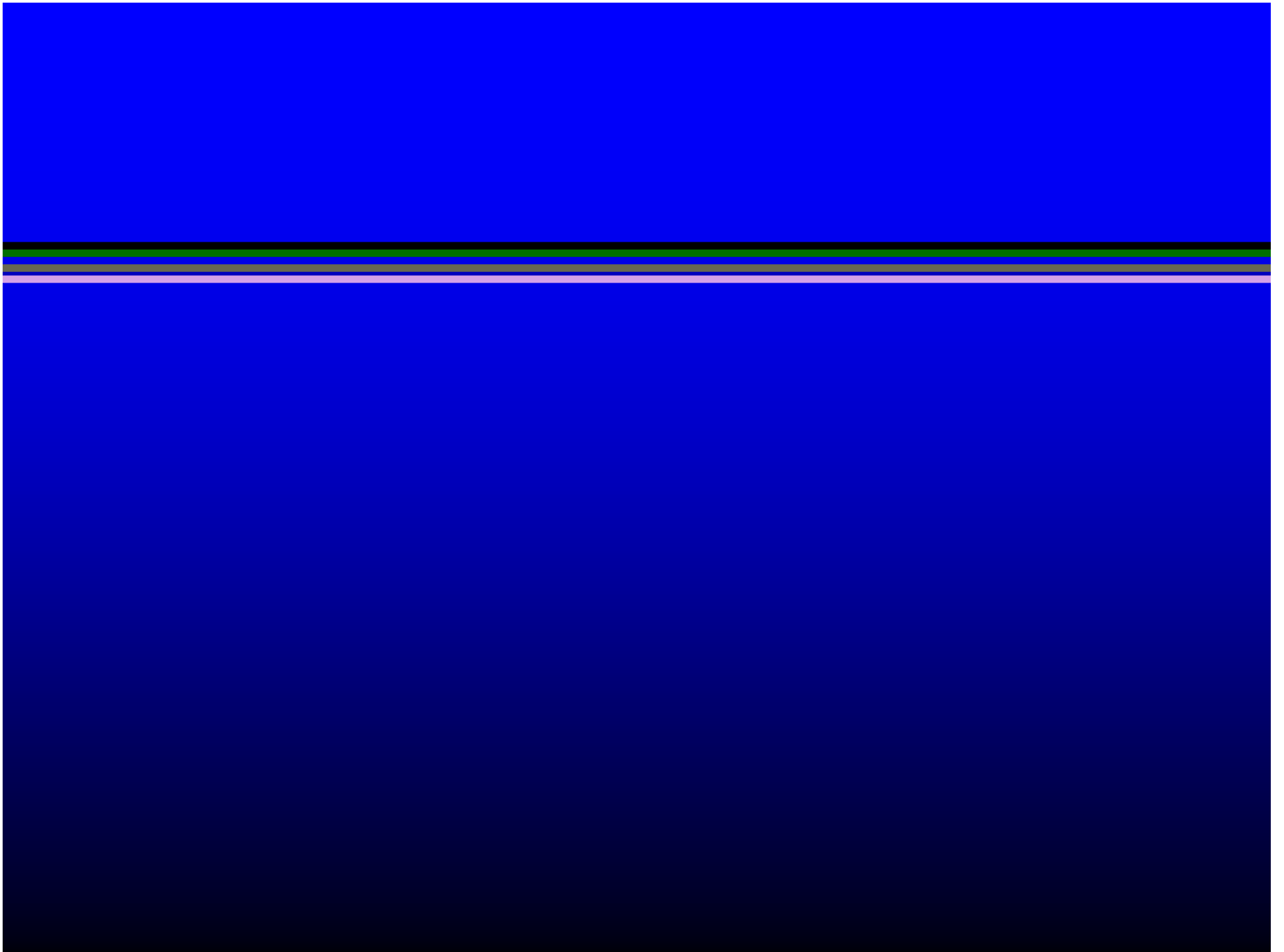
FE Exam specifications -- What can you bring to the exam room?

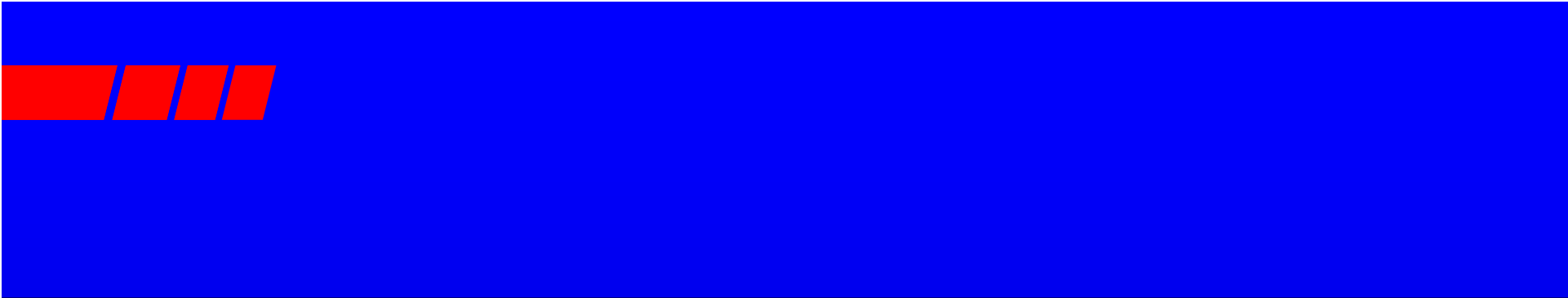
Enhanced security for exam content

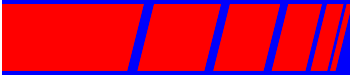
- Check-in: government issued ID, photo taken, and palm-vein scan
- *Watch the video*
- http://www.ncees.org/Exams/Study_materials/Download_FE_Supplied-Reference_Handbook.php

Permitted

- Calculators
- Check Calculator Policy
 - » <http://ncees.org/exams/calculator/>
- Small dry-erase board will be supplied for calculations
- FE Reference Manual will be embedded in the computer in a searchable pdf file format
- Watch the video
- http://www.ncees.org/Exams/Study_materials/Download_FE_Supplied-Reference_Handbook.php







***Good
Luck***

