FALL 2015 QUANTITATIVE PROFICIENCY WAIVER EXAM

This study guide contains information to help Evening & Weekend Berkeley MBA Program applicants prepare for the waiver exam in College-Level Mathematics.

The waiver exam is intended to ensure that students admitted to the EW MBA Program have the quantitative proficiency for the ensuing coursework.

IMPORTANT INFORMATION
1. This is a two-hour long waiver exam, with 30 multiple choice questions. Although the examination is in a multiple-choice format, those exams that fall short of passing will be carefully reviewed with respect to calculations you make on the exam sheets. Therefore, it is to your benefit to display your work/logic on the exam paper. Mistakes due to minor calculator/calculation errors will not be as detrimental as mistakes in concept or general execution of a problem. The test is closed book: no notes or formulas are allowed during the exam.

2. On the day of the exam, please bring:
   - Photo ID: one valid form of photo identification with you (i.e. drivers license or passport).
   - Pencils: please bring at least one No. 2 pencil.
   - Calculator: a simple calculator may be used. **We will not allow calculators that store formulas or graphs.**

3. You may only take the exam once per year. If you take the exam and do not pass, you will have to fulfill the prerequisite by taking an approved course.

4. If you do not fulfill the quantitative proficiency requirement through coursework or by waiver exam, you will not be able to enroll in the Evening & Weekend Berkeley MBA Program, even if you have been offered admission.

For information on PARKING and DIRECTIONS, go to:
http://haas.berkeley.edu/haas/about/visit.html

MATH
You should demonstrate sufficient competence with such tasks as solving “word problems,” solving systems of linear equations, solving non-linear equations (quadratic, logarithmic, exponential), interpreting graphs, and determining slope. In problems where a specific knowledge of business or economics is needed, the applicable formulae will be provided.

Applicants should be familiar with the following topics:

- Operations involving radicals and absolute value
- Exponential and Logarithmic operations
- Solving for a linear function given two points or slope
- Solving a set of linear equations
- Locate feasible region given linear constraints (graphically)
- Finding maxima or minima of a function
- Limit of a function
- Derivatives - for various functional forms
- Identifying graphs of non-linear functions (using slope)
- Integral (basic rules involving polynomial functions)
- Word problems involving the above topics

**REFERENCE GUIDES FOR STUDY**

The following is not a complete list of relevant texts. Any text having similar coverage should be helpful in your preparation for the waiver exam, but the texts below are typically management-oriented math texts.