

Instructions for grading in Canvas

There is a video that also discusses how to grade in Canvas. It can be found online at <https://player.mediaamp.io/p/U8-EDC/qQivF4esrENw/embed/select/media/Q87hfPj7z6z9?form=html>

1. Open the Canvas site and click “Assignments” in the sidebar menu.

ASU 2020Spring-T-MAT267-16514 > Syllabus

2020 Spring C

Home Announcements Grades Modules Export Final Grades to PeopleSoft Pages Syllabus Outcomes People Files **Assignments** Discussions Quizzes Conferences Collaborations Settings

MAT 267: Calculus for Engineers III (2020 Spring)

Jump to Today Edit

Import from Commons Choose Home Page View Course Stream Course Setup Checklist New Announcement Student View View Course Analytics

MAT267 Syllabus

WebWork Link

Course Summary:

Date	Details
Fri Mar 27, 2020	Quiz 5 due by 11:59pm
Fri Apr 17, 2020	Quiz 6 due by 11:59pm

Final Exam

Quiz 1

Quiz 2

Quiz 3

Quiz 4

Test 1

Test 2

Test 3

WebWork Total

March 2020

23	24	25	26	27	28	29
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

Assignments are weighted by group:

Group	Weight
Quizzes	10%
WebWork	15%
Exams	50%
Final Exam	25%

2. Click on the assignment you wish to grade (Quiz 5 in this example).

ASU 2020Spring-T-MAT267-16514 > Assignments

2020 Spring C

Home Announcements Grades Modules Export Final Grades to PeopleSoft Pages Syllabus Outcomes People Files **Assignments** Discussions Quizzes Conferences Collaborations Settings

Search for Assignment

+ Group + Assignment

10% of Total 1 Rule

Quiz 1 20 pts

Quiz 2 20 pts

Quiz 3 20 pts

Quiz 4 20 pts

Quiz 5 20 pts due Mar 27 at 11:59pm | 20 pts

Quiz 6 Due Apr 17 at 11:59pm | 20 pts

WebWork 15% of Total

WebWork Total 100 pts

Exams 50% of Total

3. Click on the SpeedGrader link in the upper right corner. This will open a new window where you will do the grading.

The screenshot shows the Canvas LMS interface for a quiz titled "Quiz 5". The top navigation bar includes "ASU Home", "My ASU", "Colleges & Schools", "Map & Locations", and "Contact Us". The breadcrumb trail is "2020Spring-T-MAT267-16514 > Assignments > Quiz 5".

The main content area displays the quiz details:

- Quiz 5** (Published)
- See attached file for quiz problem. (quiz5_integration.pdf)
- Points**: 20
- Submitting**: a file upload
- File Types**: pdf
- Due**: Mar 27
- For**: Everyone
- Available from**: -
- Until**: -
- + Rubric

The "Related Items" section on the right includes a "SpeedGrader" link, which is circled in red, and a "Download Submissions" link. Below these links, it indicates "1 out of 1 Submissions Graded".

4. The student's pdf file will be displayed on the left. After reviewing their work, enter their score in the "Assessment" box and enter any feedback comments in the "Assignment Comments" box.

Quiz 5
Due: Mar 27 at 11:59pm - 2020 Spring - T-MAT267-16514

1/68 20 / 20 (100%) 68/68
Graded Average

Submitted: Mar 18 at 11:36am
Submitted Files: (click to load)
MAT 267-Quiz 5.pdf

Assessment
Grade out of 20
20

Assignment Comments
Nice job!

Submit

Download Submission Comments

MAT 267: Calculus III for Engineers
Instructor: Jeremiah Jones

Quiz 5: Due Friday 3/27/2020

Find the mass of a 3-dimensional solid object with a mass density $f(x, y, z) = x^2$ that occupies the region E in the first octant that is inside the cylinder $x^2 + y^2 = 9$ and below the plane $z = y$. Assume all length dimensions have units of meters and the density function has units kg/m^3 .

The quiz is worth up to 10 bonus points that will be added to your Test 2 score. To get full credit, you must thoroughly show every step of the solution and get the correct answer. Every student must turn in their own paper and do their own work without outside help, as if it were a take-home test.

The mass M of the object is found by integrating the density over the solid region E :

$$M = \iiint_E f(x, y, z) \, dV = \iiint_E x^2 \, dV.$$

Since z is bounded by the planes $z = 0$ and $z = y$, this is a Type 1 region that can be stated as

$$M = \iint_D \left[\int_0^y x^2 \, dz \right] \, dA.$$

The innermost integral can be done as

$$\int_0^y x^2 \, dz = x^2 z \Big|_{z=0}^{z=y} = x^2 y.$$

The remaining region D is the projection of the region E into the xy plane, which is the quarter of the disk $r = 3$ in the first quadrant. It is most convenient to then evaluate this using polar coordinates, which gives the bounds $0 \leq r \leq 3$ and $0 \leq \theta \leq \pi/2$. The remaining double integral is then

$$M = \int_0^{\pi/2} \int_0^3 x^2 y \, r \, dr \, d\theta = \int_0^{\pi/2} \int_0^3 (r \cos \theta)^2 (r \sin \theta) \, r \, dr \, d\theta.$$

Since all bounds are constant and the integrand is separable, we get

$$M = \int_0^{\pi/2} \cos^2 \theta \sin \theta \, d\theta \int_0^3 r^4 \, dr.$$

5. Click the Submit button to save the score into the gradebook.

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6. Click the right-arrow in the upper corner of the screen to move on to the next student and repeat.

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Submitted: Mar 16 at 11:35am
Submitted Files: (click to load)
MAT 267-Quiz 5.pdf

Assessment
Grade out of 20
20

Assignment Comments
Nice job!
Submit

Download Submission Comments