

# SUGGESTED PRACTICE PROBLEMS FOR MATH 241 (CALCULUS IV)

Spring 2022

---

<b>Instructor:</b>	Dr. Stathis Charalampidis	<b>Office:</b>	25-319 (Faculty Offices East)
<b>Email:</b>	<a href="mailto:echarala@calpoly.edu">echarala@calpoly.edu</a>	<b>Phone:</b>	(805) 756-2465

---

## Textbook:

- *Calculus (Eighth Edition)*, Authors: James Stewart, Publisher: Cengage Learning, 2016 (ISBN: 978-1-285-74062-1)

## From Chapter 12:

- Section 12.6: problems 1-44.

## From Chapter 14:

- Section 14.1: problems 9-32; 45-53; 61-72.
- Section 14.2: problems 1-42.
- Section 14.3: problems 5-72; 76-82;
- Section 14.4: problems 1-19; 25-30.
- Section 14.5: problems 1-34; 45-54.
- Section 14.6: problems 4-26; 28; 32; 34; 41-46; 49; 50; 54-60.
- Section 14.7: problems 1; 2; 5-20; 21; 22; 31-38; 41; 42; 44; 46-52.
- Section 14.8: problems 3-14; 16; 17-22; 24.

## From Chapter 15:

- Section 15.1: problems 1-4; 9-34; 35-43; 47-50.
- Section 15.2: problems 1-10; 13-22; 23-32; 35-40; 45-56; 57-62; 65-69.
- Section 15.3: problems 1-6; 7-10; 12; 14; 16; 19-24; 29-32; 33-34.
- Section 15.4: problems 1-14; 16-18; 21-24.
- Section 15.5: problems 1-2; 4-12; 13-16.
- Section 15.6: problems 1-12; 14-18; 20-22; 28; 30; 39-40.
- Section 15.7: problems 1-8; 10-12; 15-16; 18-20; 22-25; 27-30.
- Section 15.8: problems 1-14; 18; 22-29; 41-43.

## From Chapter 16:

- Section 16.1: problems 2-4; 11-14; 15-18; 21-26; 29-32; 33; 36.
- Section 16.2: problems 1-16; 18; 19-22; 40-44;
- Section 16.3: problems 3-10; 12-20; 23; 24; 28; 30; 31-34; 35.
- Section 16.4: problems 1-4; 5-14; 18.
- Section 16.5: problems 1-12; 13-22; 30-32.