## Organic Chemistry II CHM 3150, Dr. Laurie S. Starkey, Cal Poly Pomona **Hydrolysis Homework**

Name:	Section (Day/Time):
1 (WIII)	Section (Buy, Time).

STOP! First, review lecture notes pages 20-5, 20-6 & Klein Mechanisms 20.7 and 20.11 (WP videos) Page 1 of 2: Predict the products of the following reactions (each reaction has TWO products) and provide a <u>complete</u> mechanism to account for their formation. Pay close attention to details, including the use of curved arrows and showing lone pairs and formal charges.

Reaction Mechanism:

$$\begin{array}{c}
O \\
NHCH_2CH_3
\end{array}$$

$$\begin{array}{c}
H_3O^+\\
\text{heat}
\end{array}$$

Reaction Mechanism:

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There are multiple errors in the following transesterification mechanism! Identify the errors, and make necessary corrections. In the end, you should have produced an error-free mechanism.