

English 443/543 -- Guy Carden -- Fall 2016

Assignment 10: Underlying forms

Due in class Tuesday 6 December. This is the last problem set of the course.

There will be no quiz covering Chapter 4, but Chapter 4 material will appear on the final exam.

**Extended Analysis** - Students enrolled in 543 will do an additional assignment analyzing a data set that is larger and more complex than the usual problem set. This extended analysis problem will be handed out Tuesday 6 December and due by 5:00 pm Wednesday, 14 December. (443 students are invited to do this problem for fun, but there is no extra credit.)

**Final Exam** - The final exam for 443 and 543 will be a take-home handed out Tuesday 6 December and due by 5:00 pm Wednesday, 14 December. I will answer questions about the final and the extended problem in the final class 8 December.

**Reading:**

Odden Chap 4 – Second pass on the whole chapter. Then work carefully through sections 4.1-4.4,

p80-95, studying the examples Odden analyzes. This will give you the necessary background for this week's problems. Graduate students should also work carefully through the examples analyzed in the rest of the chapter (sections 4.5 and 4.6), which will give you background that you will need for the extended problem.

**Written assignment:**

Odden Chap 4 exercises 2 Xavante and 5 Zoque. Each of these requires some tricky analysis, and then formalizing your rules using features.

Use the attached worksheets to present your answers. I have also posted the worksheets separately as a docx file so you can cut and paste from the data.

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Assignment 10: Underlying forms – worksheets.

**Odden 4.2. Xavante - Worksheet**

<u>N</u>	<u>your N</u>	<u>gloss</u>	<u>UR for NStems</u>
du	ʔaddu	‘stomach’	
ʔra	ʔajʔra	‘child’	
hiʔrāti	ʔajhiʔrāti	‘knee’	
tɔ	ʔattɔ	‘eye’	
ʔwa	ʔajʔwa	‘tooth’	
brõ	ʔajbrõ	‘wife’	
ʃɛ:re	ʔajʃɛ:re	‘hair’	
pa:ra	ʔajpa:ra	‘foot’	
bā:bā	ʔajbā:bā	‘father’	

UR for “your”:

Morpheme order template:

Phonological rules:

(My solution has two rules, so I’ve given you two slots.)

Rule 1.

*statement in English:*

*statement in segments:*

*statement in features:*

Rule 2.

*statement in English:*

*statement in segments:*

*statement in features:*

**Xavante – Worksheet p2**

*sample derivations to test your rules:*

Give derivations for “stomach”, “your stomach”, “child”, “your child”, “your wife”, and “your foot”: (Use additional pages as needed.)

## Odden 4.5. Zoque -- Worksheet

<u>N</u>	<u>my N</u>	<u>gloss</u>	<u>UR for NStem</u>
waka	nwaka	basket	
disko	ndisko	record	
buru	mburu	burro	
pama	mbama	clothes	
kaju	ɲgaju	horse	
tatah	ndatah	father	
faha	faha	belt	
ʃapun	ʃapun	soap	
huki	nhuki	cigarette	
jomo	njomo	woman	
gaju	ɲgaju	rooster	
plato	mblato	plate	
t <sup>ʰ</sup> oʔɲgoja	ɲd <sup>3</sup> oʔɲgoja	rabbit	
t <sup>s</sup> ima	nd <sup>z</sup> ima	calabash	
sək	sək	beans	
lawus	lawus	nail	

UR for “my”:

Morpheme order template:

Phonological rule(s):

(My solution has three rules, so I've given you three slots. It would be possible to combine two of my rules; if you do that you'll only need two slots.)

Rule 1.

*statement in English:*

*statement in segments:*

*statement in features:*

**Zoque -- Worksheet p2**

**Rule 2.**

*statement in English:*

*statement in segments:*

*statement in features:*

**Rule 3.**

*statement in English:*

*statement in segments:*

*statement in features:*

*sample derivations to test your rules:*

Give derivations for “my basket”, “my burro”, “my rabbit”, “my cigarette”, and “my nail”:

(Use additional pages as needed.)

(*Optional:* You will find that this data sheds light on the features Odden assigns to /h/ p49. For no extra credit, explain briefly: Why was there a problem? How does this data help? )