Cours de phonologie anglaise

Gustave Eiffel LCA2

Adrien Méli

October 19, 2021

Contents

F	Avertissements	1
Bases de	données	2
1.1.	Liste de mots	2
1.2.	Échéances	5
Lesson n	°1	5
2.1.	Administration	5
2.2.	La représentation des sons	6
Lesson n	°2	6
3.1.	La règle orthographique	6
3.2.	Homework	8
Lesson n	°3	8
4.1.	Homework: correction	8
4.2.	Recap from last week	9
4.3.	Practice	9
4.4.	Homework	10
Lesson n	°4	10
5.1.	Homework	10
5.2.	/æ/ in American	11
5.3.	Les catégories de voyelles	13
5.4.	Interlude	13
Lesson n	°5	14
6.1.	Correction	14
6.2.	Warm up	15
6.3.	Introduction to assimilation	15
6.4.	Examens de mi-semestre	16
Référenc	res	17

Avertissements

- Les transcriptions britanniques proviennent du Longman Pronunciation Dictionary (Wells (2008)).
- Les transcriptions américaines sont sujettes à caution. Elles sont récupérées directement du dictionnaire de Carnegie Mellon University, mais l'algorithme que j'ai écrit pour la conversion en IPA est loin d'être entièrement fonctionnel. Vérifiez-les dans votre dictionnaire de prononciation favori.
- Les erreurs non repérées, tant sur la forme que sur le fond, sont de mon fait uniquement.
- Envoyez vos questions, suggestions, corrections et autres à l'adresse suivante : adrienmeli at gmail

1 Bases de données

1.1 Liste de mots

Word	Stress	Received Pronunciation
watch	/1/	/wptʃ/
chat	/1/	/t∫æt/
hate	/1/	/hert/
body	/10/	/ˈbɒd.i/
these	/1/	/ðiːz/
window	/10/	/ˈwmd.əʊ/
shared	/1/	/ʃeəd/
pink	/1/	/թւŋk/
mountain	/10/	/ˈmaʊnt.ɪn/
table	/10/	/'teɪb.əl/
loves	/1/	/lavz/
push	/1/	/pʊʃ/
yummy	/10/	/ˈjʌm.i/
thug	/1/	/θ Λ g/
swing	/1/	/swin/
fought	/1/	/fo:t/
shine	/1/	/∫aɪn/
jar	/1/	/dʒɑː/
look	/1/	/luk/
passes	/10/	/ˈpɑːs.ɪz/
breakfast	/10/	/'brek.fəst/
cereal	/100/	/ˈsɪər.i.əl/
chocolate	/10/	/ˈtʃɒk.lət/
keyboard	/10/	/bːcd.xi//
shampoo	/01/	/ʃæm.ˈpuː/
bath	/1/	/ba:θ/
delicious	/010/	/di.ˈlɪʃ.əs/
horrible	/100/	/ˈhor.de.rad/
magazine	/201/	/ˌmæg.ə.ˈziːn/
university	/20100/	/ˌjuːn.ɪ.ˈvɜːs.ət.i/
chair	/1/	/t∫eə/
knife	/1/	/naɪf/
account	/01/	/ə.ˈkaʊnt/
cushion	/10/	/ˈkʊʃ.ən/
curtain	/10/	/ˈkɜːt.ən/
strong	/1/	/strpŋ/
locked	/1/	/lokt/
written	/10/	/ˈrɪt.ən/
camera	/100/	/ˈkæm.ər.ə/
radio	/100/	/ˈreɪd.i.əʊ/
very	/10/	/ˈver.i/
thesis	/10/	/ˈθiːs.ɪs/
manage	/10/	/ˈmæn.ɪdʒ/
over	/10/	/ˈəʊv.ə/
jumped	/1/	/dʒʌmpt/
3		U I

felt	/1/	/felt/
come	/1/	/kam/
back	/1/	/bæk/
rare	/1/	/reə/
judge	/1/	/dʒʌdʒ/
write	/1/	/raɪt/
evolution	/2010/	/ˌiːv.ə.ˈluːʃ.ən/
dark	/1/	/daːk/
quack	/1/	/kwæk/
gone	/1/	/gon/
short	/1/	/jɔ:t/
jerk	/1/	/dʒ3:k/
head quarters	/210/	/hed 'kwɔːt.əz/
main course	//	/mem ko:s/
matched pairs	//	/mæt∫t peəz/
perhaps	/01/	/pə.ˈhæps/
broadcast	/10/	/bro:d.ka:st/
white pepper	//	/wart 'pep.ə/
on the house	//	/ɒn ðiː haʊs/
raise your glass	//	/reɪz jɔː glɑːs/
age	/1/	/eɪdʒ/
jinx	/1/	/dʒɪŋks/
shake	/1/	/∫eɪk/
once	/1/	/wans/
music	/10/	/ˈmjuːz.ɪk/
ink	/1/	/ɪŋk/
IIIK	/ 1/	/11Jtv/
lamb	/1/	/læm/
		-
lamb	/1/ /1/ /10/	/læm/ /t∫əʊk/ /ˈʃæk.əl/
lamb choke	/1/ /1/	/læm/ /t∫əʊk/
lamb choke shackle	/1/ /1/ /10/	/læm/ /t∫əʊk/ /ˈʃæk.əl/
lamb choke shackle fern	/1/ /1/ /10/ /1/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/
lamb choke shackle fern mustard	/1/ /1/ /10/ /1/ /10/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/
lamb choke shackle fern mustard purpose	/1/ /1/ /10/ /1/ /10/ /10/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/
lamb choke shackle fern mustard purpose shove	/1/ /1/ /10/ /1/ /10/ /10/ /1/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/
lamb choke shackle fern mustard purpose shove shelf	/1/ /1/ /10/ /1/ /10/ /10/ /1/ /1/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/
lamb choke shackle fern mustard purpose shove shelf thank	/1/ /10/ /10/ /10/ /10/ /10/ /11/ /11/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/ /ʃelf/ /θæŋk/ /naɪt/ /sɔ:d/
lamb choke shackle fern mustard purpose shove shelf thank knight sword answer	/1/ /10/ /10/ /10/ /10/ /11/ /11/ /11/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/ /ʃelf/ /θæŋk/ /naɪt/ /sɔ:d/ /ˈɑ:ns.ə/
lamb choke shackle fern mustard purpose shove shelf thank knight sword answer this shape	/1/ /10/ /10/ /10/ /10/ /11/ /11/ /1/ /1	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/ /ʃelf/ /θæŋk/ /naɪt/ /sɔ:d/ /ˈɑːns.ə/
lamb choke shackle fern mustard purpose shove shelf thank knight sword answer	/1/ /10/ /10/ /10/ /10/ /11/ /11/ /11/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/ /ʃelf/ /θæŋk/ /naɪt/ /sɔ:d/ /ˈɑ:ns.ə/
lamb choke shackle fern mustard purpose shove shelf thank knight sword answer this shape	/1/ /10/ /10/ /10/ /10/ /11/ /11/ /1/ /1	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/ /ʃelf/ /θæŋk/ /naɪt/ /sɔ:d/ /ˈɑːns.ə/
lamb choke shackle fern mustard purpose shove shelf thank knight sword answer this shape these shoes this unit unless you	/1/ /10/ /10/ /10/ /10/ /11/ /11/ /1/ /1	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/ /ʃelf/ /θæŋk/ /naɪt/ /sɔ:d/ /ˈɑ:ns.ə/ /ðis ʃeɪp/ /ðiz ˈʃu:.ʃaɪn/ /ən.ˈles ju:/
lamb choke shackle fern mustard purpose shove shelf thank knight sword answer this shape these shoes this unit unless you as you see	/1/ /10/ /10/ /10/ /10/ /11/ /11/ /11/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/ /ʃelf/ /θæŋk/ /naɪt/ /sɔ:d/ /ˈɑːns.ə/ /ðis ʃeɪp/ /ðiz ˈʃuː.ʃam/ /ðn.ˈles juː/ /æz juː siː/
lamb choke shackle fern mustard purpose shove shelf thank knight sword answer this shape these shoes this unit unless you as you see let you out	/1/ /10/ /10/ /10/ /10/ /11/ /11/ /11/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/ /ʃelf/ /θæŋk/ /naɪt/ /sɔ:d/ /ˈɑ:ns.ə/ /ðis ʃeɪp/ /ðis ˈju:n.ɪt/ /ən.ˈles ju:/ /æz ju: si:/ /let ju: aʊt/
lamb choke shackle fern mustard purpose shove shelf thank knight sword answer this shape these shoes this unit unless you as you see	/1/ /10/ /10/ /10/ /10/ /10/ /11/ /1/ /1	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/ /ʃelf/ /θæŋk/ /naɪt/ /sɔ:d/ /ˈɑ:ns.ə/ /ðis ʃeɪp/ /ði:z ˈʃu:.ʃam/ /ðis ˈju:n.ɪt/ /ən.ˈles ju:/ /æz ju: si:/ /let ju: aʊt/ /wʊd ju: traɪ/
lamb choke shackle fern mustard purpose shove shelf thank knight sword answer this shape these shoes this unit unless you as you see let you out would you try get your bags	/1/ /10/ /10/ /10/ /10/ /10/ /11/ /11/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/ /ʃelf/ /θæŋk/ /naɪt/ /sɔ:d/ /ˈɑɪns.ə/ /ðɪs ʃeɪp/ /ðiːz ˈʃuː.ʃaɪn/ /ðɪs ˈjuːm.ɪt/ /ən.ˈles juː/ /æz juː siː/ /let juː aʊt/ /wʊd juː traɪ/ /get jɔː ˈbægz.fʊl/
lamb choke shackle fern mustard purpose shove shelf thank knight sword answer this shape these shoes this unit unless you as you see let you out would you try get your bags import	/1/ /10/ /10/ /10/ /10/ /11/ /11/ /11/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /ˈfɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/ /ʃelf/ /θæŋk/ /naɪt/ /sɔ:d/ /ˈuːns.ə/ /ðis ʃeɪp/ /ðiːz ˈʃuː.ʃam/ /ðis ˈjuːm.ɪt/ /ən.ˈles juː/ /æz juː siː/ /let juː aʊt/ /wod juː traɪ/ /get jɔː ˈbægz.fʊl/ /im.ˈpɔːt/
lamb choke shackle fern mustard purpose shove shelf thank knight sword answer this shape these shoes this unit unless you as you see let you out would you try get your bags import nature	/1/ /10/ /10/ /10/ /10/ /11/ /11/ /11/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /fɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/ /ʃelf/ /θæŋk/ /naɪt/ /sɔ:d/ /ˈɑ:ns.ə/ /ðis ʃeɪp/ /ðisz ˈʃu:.ʃam/ /ön.ˈles ju:/ /æz ju: si:/ /let ju: aʊt/ /wʊd ju: traɪ/ //get jɔ: ˈbægz.fʊl/ /ˈmɪtʃ.ə/
lamb choke shackle fern mustard purpose shove shelf thank knight sword answer this shape these shoes this unit unless you as you see let you out would you try get your bags import	/1/ /10/ /10/ /10/ /10/ /11/ /11/ /11/	/læm/ /tʃəʊk/ /ˈʃæk.əl/ /ˈfɜ:n/ /ˈmʌst.əd/ /ˈpɜ:p.əs/ /ʃʌv/ /ʃelf/ /θæŋk/ /naɪt/ /sɔ:d/ /ˈuːns.ə/ /ðis ʃeɪp/ /ðiːz ˈʃuː.ʃam/ /ðis ˈjuːm.ɪt/ /ən.ˈles juː/ /æz juː siː/ /let juː aʊt/ /wod juː traɪ/ /get jɔː ˈbægz.fʊl/ /im.ˈpɔːt/

nation	/10/ /10/	/ˈneɪʃ.ən/
pressure	/10/	/ˈpreʃ.ə/
measure		/'meʒ.ə/
figure	/10/	/ˈfɪg.ə/
break	/1/	/breik/
vaccine	/10/	/ˈvæks.iːn/
low	/1/	/ləʊ/
throw	/1/	/θrəʊ/
land	/1/	/lænd/
foam	/1/	/fəʊm/
spoon	/1/	/spu:n/
healthy	/10/	/ˈhelθ.i/
ten men	//	/ten men/
fine grade	//	/fam greid/
incredible	/0100/	/m.ˈkred.əb.əl/
red paint	//	/red peint/
bad guys	//	/bæd NA/
eight boys	//	/eɪt ˈbɔɪz.ən.bər.i/
straight	/1/	/streit/
sustain	/01/	/sə.ˈsteɪn/
work	/1/	/w3:k/
remind	/01/	/ri.ˈmaɪnd/
damp	/1/	/dæmp/
though	/1/	/ðəʊ/
note	/1/	/nəʊt/
scythe	/1/	/saið/
lucky	/10/	/'lʌk.i/
wall	/1/	/w:1/
Meant	/1/	/ment/
Understood	/201/	/ˌnd.ə.ˈstud/
accountable to the data	//	/ə.ˈkaʊnt.əb.əl tuː ðiː ˈdeɪt.ə/
a cannibal to the data	//	/eɪˈkæn.ɪb.əl tuː ðiːˈdeɪt.ə/
she makes us slave	//	/ʃiːˈmeɪk.ʃɪft ʌs sleɪv/
she makes us leave	//	/ʃiː ˈmeɪk.ʃɪft ʌs liːv/
can I pour us both juice	//	/kæn aı pɔ: ʌs bəυθ dʒuːs/
can I pour a spoke juice	//	/kæn ar po: er spəʊk dʒuːs/
The bosses with the antennas.	//	/ði: NA wið ði: NA/
3	//	/NA/
This area is full of bets.	//	/ðīs 'eər.i.ə ız ful av 'bets.i/
1	//	/NA/
Do you have any pots in the house?	//	/du: ju: hæv 'en.i 'pots.dæm m ði: NA/
We touched a super Wisconsin	//	/NA/
We trucked across Wisconsin.	//	/wi: NA ə.ˈkrɒs wi.ˈskɒns.ɪn/
5	//	/NA/
Senior citizens living on the black.	//	/ˈsiːn.i.ə ˈsɪt.ɪz.ən.ʃɪp ˈlɪv.ɪŋ ɒn ðiː blæk
2	//	/NA/
The Express Way is jammed salad.	//	/ði: ık.ˈspres wei iz NA ˈsæl.əd/
2	//	/NA/

1.2 Échéances

Échéances	Instructions
27/09/2021	Transcrire les mots suivants : "fought, shine, jar, look, passes"
04/10/2021	Transcrivez les mots suivants. Quels sont ceux dont les voyelles ne respectent pas la règle orthographique ?
11/10/2021	Find 5 words not mentioned in class featuring historically assimilated sound (hint: yod-coalescence). Find 5 sentences likely to feature assimilations in connected speed. Mention the direction of these potential assimilations.
11/10/2021	Transcrire les listes de mots de la leçon n°3.
25/10/2021	Examen de mi-semestre (1h)
13/12/2021	Examen de fin de semestre (1h)
hurdle	
democrat	
country	
value	
normal	
wages	
capture	
changing	
narrow	
government	
sorry	
one	
science	
national	
structure	
building	
prosecution	
familiar	
jumper	
achievement	

2 Lesson n°1

2.1 Administration

2.1.1 Présentation

• La phonétique (1CAE301) compte pour 20% de l'UE 301 au Semestre 1.

2.1.2 Échéances

Échéances	Instructions
27/09/2021	Transcrire les mots suivants : "fought, shine, jar, look, passes"
25/10/2021	Examen de mi-semestre (1h)
13/12/2021	Examen de fin de semestre (1h)

2.1.3 Éléments pratiques

- · Centralisez vos notes.
- Les transcriptions de référence proviennent du Longman Pronunciation Dictionary (Wells (2008))
- Les transcriptions du English Pronouncing Dictionary (Jones et al. (2011)) sont aussi acceptées.
- adrienmeli.xyz

2.2 La représentation des sons

2.2.1 l'API

La représentation des sons se fait avec les symboles de l'alphabet phonétique international (API) ("the International Phonetic Alphabet, or IPA").

IPA Chart

2.2.2 Les sons de l'anglais

Les sons de l'anglais sont bien sûr moins nombreux que ceux de la liste établie dans l'API.

Ces symboles sont supposés connus...

2.2.3 Exercice

Word	Stress	Received Pronunciation
watch	/1/	/wɒtʃ/
chat	/1/	/t∫æt/
hate	/1/	/hert/
body	/10/	/ˈbɒd.i/
these	/1/	/ðiːz/
window	/10/	/ˈwɪnd.əʊ/
shared	/1/	/ʃeəd/
pink	/1/	/pɪŋk/
mountain	/10/	/ˈmaʊnt.ɪn/
table	/10/	/ˈteɪb.əl/
loves	/1/	/lavz/
push	/1/	/pʊʃ/
yummy	/10/	/ˈjʌm.i/
thug	/1/	/θ ʌg /
swing	/1/	/swiŋ/
fought	/1/	/fɔ:t/
shine	/1/	/∫aɪn/
jar	/1/	/dʒa:/
look	/1/	/lʊk/
passes	/10/	/ˈpɑːs.ɪz/

3 Lesson n°2

3.1 La règle orthographique

Outre la détermination du schéma accentuel des mots, un autre enjeu est la détermination de la qualité des voyelles.

	V C-r C/#	V C-r V	V <r> C/#</r>	V <r> V</r>
<a>	mat	mate	mar	mare
<e></e>	pet	Pete	her	here
<i>></i>	sit	site	fir	fire
<0>	not	note	or	ore
<u></u>	cut	cute	purr	pure
<u2></u2>	put			
	V C-r C/#	V C-r V	V <r> C/#</r>	V <r> V</r>
<a>	V C-r C/#	V C-r V	V <r> C/#</r>	V <r> V</r>
<a> <e></e>				
	mat	mate	mar	mare
<e></e>	mat pet	mate Pete	mar her	mare here
<e> <i></i></e>	mat pet sit	mate Pete site	mar her fir	mare here fire

Nous appellerons "règle orthographique" le tableau de correspondance entre orthographe et prononciation ci-dessous. Nous dirons que les voyelles orthographiques apparaissant dans les contextes décrits dans ce tableau, et se prononçant comme indiqué dans ce tableau, suivent la règle orthographique.

Ce tableau est **fondamental**.

Quelle(s) voyelle(s) ce tableau ne présente-t-il pas ?

- /JI/
- /aʊ/
- /uː/
- /ə/

3.1.1 Exercice

Word	Stress	Received Pronunciation
breakfast	/10/	/'brek.fəst/
cereal	/100/	/ˈsɪər.i.əl/
chocolate	/10/	/ˈtʃɒk.lət/
keyboard	/10/	/ˈkiː.bɔːd/
shampoo	/01/	/ʃæm.ˈpuː/
bath	/1/	/ba:θ/
delicious	/010/	/di.ˈlɪ∫.əs/

/NA/	/mæt/	/meɪt/	/maː/	/meə/
/NA/	/pet/	/pi:t/	/h3:/	/hɪə/
/NA/	/sɪt/	/saɪt/	/f3:/	/ˈfaɪ.ə/
/NA/	/not/	/nəʊt/	/xc/	/ɔː/
/NA/	/kʌt/	/kjuːt/	\b3:\	/pjʊə/
/NA/	/pʊt/			

horrible	/100/	/ˈhɒr.əb.əl/
magazine	/201/	/ˌmæg.ə.ˈziːn/
university	/20100/	/ˌjuːn.ɪ.ˈvɜːs.ət.i/

3.1.2 Écriture des symboles

- Les lettres doivent être formées à la façon des caractères d'imprimerie, pas des caractères manuscrits.
- Attention aux symboles suivants : /ə ɔ ı v ₃ æa v ∫ ʒ θ ð g/
- Distinguez:
- /I i/
- /ə a/
- /æa a/
- /z 3/
- /3 3/
- /θ ə ɔ/
- /ʊ u/
- /s [/
- /p c a/
- /f/ n'a pas de hampe descendante.
- /p/ s'écrit comme un /b/ sans hampe montante.
- Il n'y a ni majuscules ni ponctuation dans les transcriptions.
- Les lettres $< c \circ q \times y >$ sont elles aussi inutilisées.

3.2 Homework

Échéances	Description
04/10/2021	Transcrivez les mots suivants. Quels sont ceux dont les voyelles ne respectent pas la règle orthographique ?

4 Lesson n°3

4.1 Homework: correction

Parmi les mots suivants, quels sont ceux dont les voyelles ne respectent pas la règle orthographique ?

Word	Stress	Received Pronunciation
chair	/1/	/t∫eə/
knife	/1/	/naɪf/
account	/01/	/ə.ˈkaʊnt/
cushion	/10/	/ˈkʊʃ.ən/
curtain	/10/	/ˈkɜːt.ən/
strong	/1/	/stron/

locked	/1/	/lpkt/
written	/10/	/ˈrɪt.ən/
camera	/100/	/ˈkæm.ər.ə/
radio	/100/	/ˈreɪd.i.əʊ/

Word	Stress	Received Pronunciation
very	/10/	/'ver.i/
thesis	/10/	/ˈθiːs.ɪs/
strong	/1/	/stron/
manage	/10/	/ˈmæn.ɪdʒ/
over	/10/	/ˈəʊv.ə/
these	/1/	/ðiːz/
jumped	/1/	/dʒʌmpt/
felt	/1/	/felt/
come	/1/	/kʌm/
back	/1/	/bæk/

Word	Stress	Received Pronunciation
rare	/1/	/reə/
judge	/1/	/d3Ad3/
write	/1/	/raɪt/
bath	/1/	/ba : θ/
evolution	/2010/	/ne.lusj.ən/
dark	/1/	/daːk/
quack	/1/	/kwæk/
gone	/1/	/gon/
short	/1/	/∫o:t/
jerk	/1/	/dʒ3:k/

4.2 Recap from last week

The tables defining the basic spelling rules **must be known by heart**.

4.3 Practice

Word	Stress	Received Pronunciation
shackle	/10/	/ˈ∫æk.əl/
fern	/1/	/fs:n/
mustard	/10/	/mast.əd/
purpose	/10/	/'p3:p.əs/
shove	/1/	/∫∧v/
shelf	/1/	/ʃelf/
thank	/1/	/θæŋk/
knight	/1/	/nart/
sword	/1/	/bːcs/
answer	/10/	/ˈaːns.ə/

<a>	/mæt/	/meɪt/	/ma:r/	/mer/
<e></e>	/pet/	/pi:t/	/hər/	/hɪr/
<i>></i>	/sɪt/	/sart/	/f3 ~:/	/ˈfaɪ.ər/
<0>	/nart/	/noʊt/	/r:c\	/rc/
<u></u>	/kʌt/	/kju:t/	/i~ ɛq\	/pjʊr/
<u2></u2>	/pot/			

4.4 Homework

Homework

age
jinx
shake
chair
once
music
ink
lamb
choke

Homework

straight
sustain
work
remind
damp
though
note
scythe
lucky
wall

Homework

these
figure
break
vaccine
low
throw
land
foam
spoon
healthy

5 Lesson n°4

5.1 Homework

age	/1/	/eɪdʒ/
jinx	/1/	/dʒɪŋks/
shake	/1/	/ʃeɪk/
chair	/1/	/t∫eə/
once	/1/	/wʌns/
music	/10/	/ˈmjuːz.ɪk/
ink	/1/	/ɪŋk/
lamb	/1/	/læm/
choke	/1/	/t∫əʊk/

Word	Stress	Received Pronunciation
straight	/1/	/streit/
sustain	/01/	/sə.ˈstem/
work	/1/	/w3:k/
remind	/01/	/ri.'mamd/
damp	/1/	/dæmp/
though	/1/	/ðəʊ/
note	/1/	/nəʊt/
scythe	/1/	/saɪð/
lucky	/10/	/ˈlʌk.i/
wall	/1/	/l:cw/

Word	Stress	Received Pronunciation
these	/1/	/ðiːz/
figure	/10/	/ˈfɪg.ə/
break	/1/	/breik/
vaccine	/10/	/ˈvæks.iːn/
low	/1/	/ləʊ/
throw	/1/	/θrəʊ/
land	/1/	/lænd/
foam	/1/	/fəʊm/
spoon	/1/	/spu:n/
healthy	/10/	/ˈhelθ.i/

5.2 /æ/ in American

We follow Labov (2010).

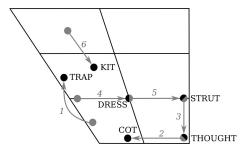
Images are from wikipedia

5.2.1 An example of sound changes: the NCS

The Northern Cities Shift is a rotation of short vowels taking place in the Inland North, a territory comprising 34 million speakers.



Map of the Inland North



The Northern Cities Shift

Assumed order of the rotation:

- 1. General raising and fronting of /æ/ ("bat")
- 2. Fronting of /p/ ("got")
- 3. Lowering of /ɔː/ ("bought")
- 4. Backward shift of /e/ ("bet") towards /\(\lambda \)
- 5. Backing and rounding of /A/
- 6. Backing of /ı/ ("bit")

This rotation of short vowels is a remarkable development, given the relative stability of the English short vowel system from old English up to the twentieth century (p.112).

No other dialect shows such a generalized tensing and raising (p.113).

5.2.2 Let's focus on /æ/

While *a* is raised and fronted in particular context by almost all speakers of North American English, a historical process in this particular area has eliminated all **contextual conditions** (p.114).

All other dialects with short-a raising will differentiate prenasal vowels from others (p.113).

4 types of short-a systems originating from upstate New-York:

- 1. The nasal system: allophonic tensing of /æ/ before nasal consonants, and nowhere else (New England)
- 2. The nasal system with the broad-a pattern: "aunt", "can't", "half", "past" (newer settlers)
- 3. *The split short-a system:* tensing in syllables closed by voiced stops, voiceless fricatives and front nasals along with many grammatical and lexical specifications (*cf.* "mad", "bad", "glad" vs. "sad" and "dad" in Philadelphia).
- 4. *The Celtic substrate:* speakers of Hiberno-English, where short *a* is low front or low entral.

12

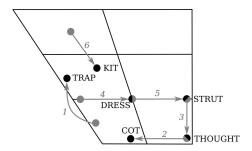
This of course leads to misunderstandings...

5.2.3 NCS-induced misunderstandings

The following examples show what non-NCS speakers understood.

- Correct the examples to what was actually meant.
- Say which step of the NCS these misunderstandings were caused by (1/2/3/4/5/6).

This area is full of bets. Do you have any pots in the house? We trucked across Wisconsin. Senior citizens living on the black. The Express Way is jammed salad.



5.2.4 Other misunderstandings

Can you formulate why the following misunderstandings happened, using phonetic concepts?

Meant	Understood
accountable to the data	a cannibal to the data
she makes us slave	she makes us leave
can I pour us both juice	can I pour a spoke juice

5.3 Les catégories de voyelles

Essayez d'établir une typologie des 20 voyelles de la RP.

- checked steady-state vowels: /I e æp σ Λ / & / σ / (!!)
- Free steady-state: /iː aː ɔː uː ɜː/
- Diphthongs:
 - centring: /เอ ชอ/
 - closing:
 - * Fronting: /ei ai ɔi/
 * Backing: /əʊ aʊ/

Il manque une voyelle... Laquelle?

/ɛː/, ou /əe/

5.4 Interlude

sorry one science national structure building

building prosecution familiar jumper achievement

Homework

hurdle
democrat
country
value
normal
wages
capture
changing
narrow
government

6 Lesson n°5

6.1 Correction

Word	Stress	Received Pronunciation
sorry	/10/	/ˈsɒr.i/
one	/1/	/wʌn/
science	/10/	/ˈsaɪ.əns/
national	/100/	/ˈnæʃ.ən.əl/
structure	/10/	/ˈstrʌk.tʃə/
building	/10/	/ˈbɪld.ɪŋ/
prosecution	/2010/	/ˌprɒs.ɪ.ˈkjuːʃ.ən/
familiar	/0100/	/fə.ˈmɪl.i.ə/
jumper	/10/	/ˈdʒʌmp.ə/
achievement	/010/	/ə.ˈt∫iːv.mənt/

Word	Stress	Received Pronunciation
hurdle	/10/	/ˈhɜːd.əl/
democrat	/100/	/ˈdem.ə.kræt/

country	/10/	/ˈkʌntr.i/
value	/10/	/ˈvæl.juː/
normal	/10/	/le.m:cn ⁻ /
wages	/10/	/ˈweɪdʒ.ɪz/
capture	/10/	/ˈkæp.tʃə/
changing	/10/	/ˈtʃeɪndʒ.ɪŋ/
narrow	/10/	/ˈnær.əʊ/
government	/100/	/ˈgʌv.ən.mənt/

6.2 Warm up

Word	Stress	Received Pronunciation
example	/010/	/ɪg.ˈzɑːmp.əl/
frequency	/100/	/ˈfriːk.wəns.i/
closure	/10/	/ˈkləʊʒ.ə/
articulation	/02010/	/aːˌtɪk.ju.ˈleɪ∫.ən/
appropriate	/0100/	/ə.ˈprəʊp.ri.eɪt/
regional	/100/	/ˈriːdʒ.ən.əl/
accent	/10/	/ˈæks.ənt/
century	/100/	/ˈsent∫.ər.i/
provide	/01/	/prə.ˈvaɪd/
artificial	/2010/	/ˈaːt.ɪ.ˈfɪʃ.əl/

Word	Stress	Received Pronunciation
threaten	/10/	/ˈθret.ən/
approval	/010/	/ə.ˈpruːv.əl/
company	/100/	/ˈkʌmp.ən.i/
footage	/10/	/ˈfʊt.ɪdʒ/
journey	/10/	/ˈdʒɜːn.i/
union	/100/	/ˈjuːn.i.ən/
popular	/100/	/ˈpɒp.jʊl.ə/
growth	/1/	/grəυθ/
country	/10/	/ˈkʌntr.i/
promise	/10/	/ˈprom.ɪs/

6.3 Introduction to assimilation

Assimilation is a type of coarticulation . It is the alteration of a speech sound to make it more similar to its neighbours. In English, assimilation mostly affects Place of Articulation.

It is a result of **phonetic conditioning**. Phonetic conditioning is a term used to cover the way in which speech segments are influenced by adjacent segments, causing phonemes to vary in their realisation according to phonetic context. Assimilation is one of three main types of conditioning, along with allophonic variation and elision.

6.3.1 Historical assimilation

Word	Stress	Received Pronunciation
import	/01/	/trcq'.mr/
nature	/10/	/ˈneɪt∫.ə/

soldier	/10/	/ˈsəʊldʒ.ə/
delicious	/010/	/di.ˈlɪˈ.əs/
patient	/10/	/ˈpeɪʃ.ənt/
nation	/10/	/ˈneɪ∫.ən/
nation pressure	/10/ /10/	/ˈneɪʃ.ən/ /ˈpreʃ.ə/

These words feature instances where /j/ was **coalesced** to /ʃ/ a few centuries ago. In terms of place of articulation, /ʃ/ as a post-alveolar fricative is half-way between alveolar fricative /s/ and palatal approximant /j/. Both segments saw their place of articulation shift under their reciprocal influence.

In historical assimilation, the **citation form** features the assimilated sounds (*e.g.* /sj/ \rightarrow /ʃ/). This is **not** the case in connected speech:

6.3.2 In connected speech

6.3.2.1 Citation forms

IPA
/hed 'kwɔːt.əz/
/mem kass/
/mæt∫t peəz/
/pə.ˈhæps/
/ˈbrɔːd.kɑːst/
/wart 'pep.ə/
/ɒn ðiː haʊs/
/reiz jo: gla:s/

Word	IPA
head quarters	/hed 'kwɔːt.əz/
main course	/mem ka:s/
matched pairs	/mæt∫t peəz/
perhaps	/pə.ˈhæps/
broadcast	/ˈbrɔːd.kɑːst/
white pepper	/wart 'pep.ə/
on the house	/ɒn ðiː haʊs/
raise your glass	/reiz jo: gla:s/

6.3.2.2 Assimilation in connected speech In connected speech, syllable-final alveolars tend to assimilate and adopt the place of articulation of the succeeding phoneme:

- "head quarters" \rightarrow / heg 'kwɔ:təz/
- "main course" \rightarrow /mem 'kb:s/
- "broadcast" \rightarrow /'brosgkasst/

6.4 Examens de mi-semestre

6.4.1 Programme

- Tous les symboles de l'Alphabet Phonétique International utilisés pour la transcription de l'anglais, y compris les symboles d'accentuations primaire et secondaire
- Principes fondamentaux de l'accentuation (nécessité d'un accent primaire, pas de /00-/ en début de mot, pas de syllabes accentuées consécutives)
- Principes fondamentaux de l'assimilation par voisement ou lieu d'articulation.
- **RECOMMANDÉ**: connaître les principaux lieux d'articulation des consonnes (*bilabial, alveolar, post-alveolar, palatal, velar, glottal*).

6.4.2 Modalités

- Mots à transcrire en alphabet phonétique après avoir été prononcés par le professeur.
- Mots en alphabet phonétique à déchiffrer et écrire en anglais.

7 Références

References

Jones, D., Roach, P., Setter, J., and Esling, J. (2011). *Cambridge English Pronouncing Dictionary*. Cambridge University Press.

Labov, W. (2010). *Principles of linguistic change: cognitive and cultural factors*, volume 3. Wiley-Blackwell, Oxford. Wells, J. (2008). *Longman Pronunciation Dictionary*. Pearson Longman, London.