Table 1: Contrasts for Beginner Level Courses (First Semester)

Language	Target Contrast	Examples [stimuli] <response options> English glosses
French	/ə/-/e/ (Singular vs Plural)	[l**ə**livʁ] [l**e**livʁ] <le livre, les livres> the book, the books
	∅-/z/ (Liaison, Singular vs Plural)	[i**la**ʃɛt] [i**lza**ʃɛt] <il achète, ils achètent> he buys, they buy
	/Ṽ/-/V/	[b**ɔ̃**] [b**o**] <bon, beau> good.MASC, beautiful.MASC
	/Ṽ/-/Vn/ (Masculine vs Feminine)	[kanadj**ɛ̃**] [kanadj**ɛn**] <canadien, canadienne> Canadian.MASC, Canadian.FEM
	/s/-/z/	[pwa**z**ɔ̃] [pwa**s**ɔ̃] <poison, poisson> poison, fish
Spanish	Sound-spelling <cu> <qu>[1]	[ˈ**kwe**sta], [toˈ**ke**] <cuesta, *questa>, <*tocué, toqué> how much, touch.1SG.PAST
	Sound-spelling: - <g> <h>[1] - <j> <h>[1]	[ˈ**x**esto], [**e**ˈβija] <gesto, *hesto>, <*gebilla, hebilla> gesture, buckle [**xa**ˈmon], [ˈ**a**ða] <*hamón, jamón>, <hada, *jada> ham, fairy
	Sound-spelling <g> <gu>[1]	[a**xi**ˈtaɾ], [**gi**ˈsaðo] <agitar, *aguitar>, <*gisado, guisado> to shake, stew
	Sound-spelling <l> <ll>	[ˈ**l**ama] [ˈ**j**ama] <lama, llama> lick.3SG, llama
	Stress - Antepenult vs Final - Antepenult vs Penult - Penult vs Final	[ˈ**ter**mino] [tɛrmiˈ**no**] <término, terminó> technical term, finish.3SG.PAST [ˈ**prak**tika] [prakˈ**ti**ka] <práctica, practica> practice (noun), practice.3SG [apoɾˈ**ta**ɾa] [apoɾtaˈ**ra**] <aportara, aportará> provide.1/3SG.IMP.SUB, provide.3SG.FUT
Japanese	Sound-spelling *Hiragana*[2]	[ha] [ke] [ho] [jo] <は, け, ほ, よ> grapheme for /ha/
	Sound-spelling *Katakana*[2]	[so] [ɴ] [ɭi] [tsɯ] <ソ, ン, リ, ツ>

Table 1: Contrasts for Beginner Level Courses (First Semester)

Language	Target Contrast	Examples [stimuli] <response options> English glosses
		grapheme for /so/
	On-glide vs Hiatus	[k**j**o:] [k**ij**o:] <きょう, きよう> today, agile
	/ts/-/s/	[**ts**ɯki] [**s**ɯki] <つき, すき> moon, favorite
	Initial Vowel Length	[j**o**ɟʑi] [j**o**:ɟʑi] <よじ, ようじ> four o'clock, appointment

[1] Response options marked with * are non-words. Learners only hear real words, and they have to choose which orthographic form matches the sound.
[2] *Hiragana* is a (nearly transparent) phonemic writing system used for native Japanese words and morphology. *Katakana* is a separate phonemic system for representing onomatopoeia and loanwords.

Table 2: Contrasts for Intermediate Level Courses (Fourth Semester)

Language	Target Contrast	Examples [stimuli] <response options> English glosses
Japanese	Consonant Length	[o**t**o] [o**t**:o] <おと, おっと> sound, husband
	Vowel length (Appearance vs Hearsay)	[tanoɕ**i**so:desɯ] [tanoɕ**i**:so:desɯ] <たのしそうです, たのしいそうです> X looks fun, I hear that X is fun
	/ai/-/ae/ (Present vs Potential)	[ɯt**ai**masɯ] [ɯt**ae**masɯ] <うたいます, うたえます> sing, can sing
	Moraic Nasals (All options presented at once)	[s**e**:**e**ɴ] [s**ẽ**:**ẽ**ɴ] [s**e**:**ne**ɴ] [s**en**:**e**ɴ] <せいえん, せんえん, せいねん, せんねん> encouragement, 1000 yen, youth, 1000 years
	Generalized Length (All options presented at once)	[k**oko**] [k**o**:**ko**] [k**ok**:**o**] [k**oko**:] [k**ok**:**o**:] [k**o**:**ko**:] <ここ, こうこ, こっこ, ここう, こうこう, こっこう> here, corporation, treasury, aloof, high school, diplomacy

Table 3: Contrasts for Upper-Level Courses (Phonetics Courses)

Language	Target Contrast	Examples [stimuli] <response options> English glosses
French	/y/-/u/	[t**y**] [t**u**] <tu, tout> you, all
	/Ṽ/-/Vn/ (Masculine vs Feminine)	[kanadj**ɛ̃**] [kanadj**ɛn**] <canadien, canadienne> Canadian.MASC, Canadian.FEM
	/ɛ̃/-/ɑ̃/	[v**ɛ̃**] [v**ɑ̃**] <vin, vent> wine, wind
	/ɛ̃/-/ɔ̃/	[p**ɛ̃**] [p**ɔ̃**] <pain, pont> bread, bridge
	/ɔ̃/-/ɑ̃/	[b**ɔ̃**] [b**ɑ̃**] <bon, banc> good.MASC, bank
	/ɛ̃/-/ɑ̃/-/ɔ̃/ (All options presented at once)	[s**ɛ̃**] [s**ɑ̃**] [s**ɔ̃**] <sain, sang, sont> healthy.MASC, blood, be.3PL
	/s/-/z/	[pwa**z**ɔ̃] [pwa**s**ɔ̃] <poison, poisson> poison, fish
Spanish	/ɾ/-/r/	[ca**ɾ**o] [ca**r**o] <caro, carro> expensive.MASC, car
	/ɾ/-/d/	[co**ɾ**o] [ca**ð**o] <coro, codo> choir, elbow
	Sound-spelling <g> <gu>[1]	[a**xi**ˈtaɾ], [**gi**ˈsaðo] <agitar, *aguitar>, <*gisado, guisado> to shake, stew
	/e/-/ei/	[r**e**no] [r**ei**no] <reno, reino> reindeer, kingdom
	Stress - Antepenult vs Final	[ˈ**ter**mino] [tɛrmiˈ**no**] <término, terminó> technical term, finish.3SG.PAST
	- Antepenult vs Penult	[ˈ**prak**tika] [prakˈ**ti**ka] <práctica, practica> practice (noun), practice.3SG
	- Penult vs Final	[apoɾˈ**ta**ɾa] [apoɾtaˈ**ɾa**] <aportara, aportará> provide.1/3SG.IMP.SUB, provide.3SG.FUT

[1] Response options marked with * are non-words. Learners only hear real words, and they have to choose which orthographic form matches the sound.