Dissertation prospectus:

Lexical flexibility in discourse

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# Introduction

This dissertation investigates the discourse-functional motivations for lexical flexibility, i.e. the ability for a lexeme (or class of lexemes) to occur in multiple pragmatic functions (reference, predication, or modification, inter alia; Croft 1990) with no overt coding (Hengeveld 1992:65; Croft 2001:66; van Lier 2016:197; van Lier 2017:242). This is frequently discussed as conversion, zero-derivation, or functional shift (Crystal 2008:114); I expand on and clarify this definition in §{{2.3}}. When lexical flexibility is widespread in a language, it is often taken as evidence of flexible word classes, i.e. lexical categories which appear to subsume more than one traditional part of speech (Hengeveld 1992:65; Rijkhoff 2007:715; van Lier & Rijkhoff 2013:1; van Lier 2016 and accompanying articles; van Lier 2017:243; Vapnarsky & Veneziano 2017a).[[1]](#footnote-1) Flexible categories have become a vibrant topic in recent years, prompting discussions on the existence of flexible categories in particular languages (Kinkade 1983; Van Eijk & Hess 1986; Broschart 1997; Sadock 1999; Evans & Osada 2005; Hengeveld & Rijkhoff 2005; Dorvlo 2009; Koch & Matthewson 2009; Floyd 2011; Chafe 2012; Chung 2012), the plausibility of flexible categories in general (Dixon 1982; Don 2004; Croft 2005; Evans & Osada 2005; Luuk 2010; Baker & Croft 2017; Palmer 2017), and detailed descriptive studies of flexible categories and the diversity of their expression across languages (Hengeveld 1992; Holton 1999; Hengeveld, Rijkhoff & Siewierska 2004; van Lier 2006; Luuk 2010; Rijkhoff & van Lier 2013; van Lier 2016; Cauchard 2017; Lichtenberk 2017; Vapnarsky & Veneziano 2017b). However, little attention has been paid to the functional motivations for lexical flexibility (though see Hopper & Thompson 1984, Thompson 1989, and Nakayama 1997). Why, in flexible languages, do speakers make the particular categorial choices they do? If a given lexeme can more-or-less freely alternate between, say, referential and predicative uses, what determines when a speaker uses one function over another? Since any choice between linguistic alternatives provides a means of conveying information, the presence of lexical flexibility in a language is yet another dimension of variation that speakers can manipulate to achieve their manifold discourse goals. How then is lexical flexibility deployed in discourse? This dissertation represents a first attempt to answer this question, summarizing the discourse-functional correlates of lexical flexibility in a small but diverse sample of languages.

This focus on the role of lexical flexibility in discourse diverges from the existing literature in that it aims to understand the functional underpinnings of lexical flexibility rather than debate its existence, the universality of lexical categories, or the existence of a particular lexical category in a language. Instead, I start from the premise that all languages have some lexemes (however few) that exhibit lexical flexibility to varying degrees (however small), and that categorical distinctions between lexemes are more strongly and consistently expressed in some languages than others. A discourse-oriented approach is also of special interest because it has the potential to shed light on a recurring question in discussions of lexical flexibility—how much of the semantic shift that occurs when a lexeme changes function can be imputed to the discourse context, and how much to language- and lexeme-specific patterns that must be memorized by the speaker? In this dissertation I aim to assess the extent to which both semantic and pragmatic/discourse properties contribute to the categoriality of lexemes.

This research potentially provides new insights into the emergence of lexical categories, in the sense of morphosyntactic constructions dedicated to specific pragmatic functions. If choice of lexical category in highly flexible languages is shown to be tied to discourse function in a way similar to that outlined by Hopper & Thompson (1984) and Thompson (1989), this suggests that categorical differences in language develop out of the gradual routinization and grammaticization[[2]](#footnote-2) of discourse tendencies. Comparable developments of grammatical categories out of discourse tendencies are attested for other areas of grammar as well, including grammatical relations (Mithun 2012) and bound vs. free pronominal forms (Mithun 2013). Conversely, Nakayama (2002) {{page number}} argues that this model also explains the highly flexible nature of lexemes in Nuuchahnulth (Wakashan) as compared to more categorically rigid languages. Lexical categories in Nuuchahnulth are principally discourse tendencies rather than obligatory grammatical conventions, and so the language is flexible in virtue of the fact that it has not undergone this categorical grammaticization process. This dissertation provides support for this model of the emergence of lexical categories by showing the extent to which discourse and information-structural considerations contribute to choice of lexical category.

The specific research questions I ask in this dissertation are as follows:

* Does the extent of lexical flexibility in a language correlate to size of corpus / lexicon? {{Methods Chapter}}
* Do certain semantic domains tend to exhibit a greater degree of lexical flexibility than others? Does the type of semantic shift correlate with a lexeme’s semantic domain? {{Semantic Domain Chapter}}
* Does inherent topicality correlate with degree of lexical flexibility? If so, is this mediated by information structure? Does the type of semantic shift correlate with a lexeme’s inherent topicality? {{Inherent Topicality Chapter}}
* Does the current and/or previous choice of grammatical role for a lexeme correlate to choice of lexical category? Does the type of semantic shift correlate with grammatical role? {{Grammatical Role Chapter}}
* Does information status correlate to choice of lexical category? Does the type of semantic shift correlate with information status? {{Information Status Chapter}}

# Background

# Data & Methods

# Outline

# Timeline

# References

Baker, Mark & William Croft. 2017. Lexical categories: Legacy, lacuna, and opportunity for functionalists and formalists. *Annual Review of Linguistics* 3(2). 1–19. doi:10.1146/annurev-linguistics-011516-034134. http://www.annualreviews.org/doi/10.1146/annurev-linguistics-011516-034134.

Broschart, Jürgen. 1997. Why Tongan does it differently: Categorial distinctions in a language without nouns and verbs. *Linguistic Typology* 1(1997). 123–165. doi:10.1515/lity.1997.1.2.123.

Cauchard, Aurelie. 2017. Describing lexical flexibility in Caac (New Caledonia). *Studies in Language* 41(2). 521–542. doi:10.1075/sl.41.2.09cau. http://www.jbe-platform.com/content/journals/10.1075/sl.41.2.09cau.

Chafe, Wallace. 2012. Are adjectives universal? The case of Northern Iroquoian. *Linguistic Typology* 16(1). 1–39. doi:10.1515/lingty-2012-0001.

Chung, Sandra. 2012. Are lexical categories universal? The view from Chamorro. *Theoretical Linguistics* 38(1–2). 1–56. doi:10.1515/tl-2012-0001.

Croft, William. 1990. A conceptual framework for grammatical categories. *Journal of Semantics* 7(3). 245–280.

Croft, William. 2001. *Radical Construction Grammar: Syntactic theory in typological perspective*. Oxford: Oxford University Press.

Croft, William. 2005. Word classes, parts of speech, and syntactic argumentation. *Linguistic Typology* 9(3). 431–441. doi:10.1515/lity.2005.9.3.391.

Crystal, David. 2008. *A dictionary of linguistics and phonetics*. 6th ed. (The Language Library). Blackwell.

Dixon, Robert M. W. 1982. *Where have all the adjectives gone? and other essays in Semantics and Syntax*. *Studies in Language*. doi:10.1038/014265a0.

Don, Jan. 2004. Categories in the lexicon. *Linguistics* 42(5). 931–956. doi:10.1515/ling.2004.033.

Dorvlo, Kofi. 2009. Does Logba have an adjective class? . 95–105.

Eijk, Jan P. Van & Thom Hess. 1986. Noun and verb in Salish. *Lingua* 69(4). 319–331. doi:10.1016/0024-3841(86)90061-6.

Evans, Nicholas & Toshiki Osada. 2005. Mundari: The myth of a language without word classes. *Linguistic Typology* 9(2005). 351–390. doi:10.1515/lity.2005.9.3.351.

Floyd, Simeon. 2011. Re-discovering the Quechua adjective. *Linguistic Typology* 15(1). 25–63. doi:10.1515/LITY.2011.003.

François, Alexandre. 2017. The economy of word classes in Hiw, Vanuatu. *Studies in Language* 41(2). 294–357. doi:10.1075/sl.41.2.03fra. http://www.jbe-platform.com/content/journals/10.1075/sl.41.2.03fra.

Hengeveld, Kees. 1992. *Non-verbal predication: Theory, typology, diachrony*. (Functional Grammar Series 15). Berlin: Mouton de Gruyter.

Hengeveld, Kees & Jan Rijkhoff. 2005. Mundari as a flexible language. *Linguistic Typology* 9(3). 406–431. doi:10.1515/lity.2005.9.3.391.

Hengeveld, Kees, Jan Rijkhoff & Anna Siewierska. 2004. Parts-of-speech systems and word order. *Journal of Linguistics* 40(3). 527–570. doi:10.1017/S0022226704002762.

Holton, Gary. 1999. Categoriality of property words in a switch-adjective language. *Linguistic Typology* 3(3). 341–360. doi:10.1515/lity.1999.3.3.341. http://www.degruyter.com/view/j/lity.1999.3.issue-3/lity.1999.3.3.341/lity.1999.3.3.341.xml.

Hopper, Paul J. & Sandra A. Thompson. 1984. The discourse basis for lexical categories in Universal Grammar. *Language* 60(4). 703–752. doi:10.1371/journal.pone.0005772. http://www.jstor.org/stable/413797.

Hopper, Paul J. & Elizabeth Closs Traugott. 2003. *Grammaticalization*. 2nd ed. (Cambridge Textbooks in Linguistics). Cambridge: Cambridge University Press.

Kinkade, M. Dale. 1983. Salish evidence against the universality of “noun” and “verb.” *Lingua* 60(1). 25–39. doi:10.1016/0024-3841(83)90045-1.

Koch, Karsten & Lisa Matthewson. 2009. The lexical category debate in Salish and its relevance for Tagalog. *Theoretical Linguistics* 35(1). 125–137. doi:10.1515/THLI.2009.007.

Lichtenberk, Frank. 2017. Lexical and grammatical flexibility in Toqabaqita. *Studies in Language* 41(2). 496–501. doi:10.1075/sl.41.2.07lic. http://www.jbe-platform.com/content/journals/10.1075/sl.41.2.07lic.

Lier, Eva van. 2006. *Parts-of-speech systems and dependent clauses: A typological study*. *Folia Linguistica*. Vol. 40. doi:10.1515/flin.40.3-4.239.

Lier, Eva van. 2016. Lexical flexibility in Oceanic languages. *Linguistic Typology* 20(2). 197–232. doi:10.1515/lingty-2016-0005.

Lier, Eva van & Jan Rijkhoff. 2013. Flexible word classes in linguistic typology and grammatical theory. In Eva van Lier & Jan Rijkhoff (eds.), *Flexible word classes: Typological studies of underspecified parts of speech*, 1–30. Oxford: Oxford University Press.

Lier, Evan van. 2017. Introduction: Lexical flexibility in Oceanic languages. *Studies in Language* 41(2). 241–254. doi:10.1075/sl.41.2.01van. http://www.jbe-platform.com/content/journals/10.1075/sl.41.2.01van.

Luuk, Erkki. 2010. Nouns, verbs and flexibles: Implications for typologies of word classes. *Language Sciences* 32(3). Elsevier Ltd. 349–365. doi:10.1016/j.langsci.2009.02.001. http://dx.doi.org/10.1016/j.langsci.2009.02.001.

Mithun, Marianne. 2012. Core argument patterns and deep genetic relations: Hierarchical systems in Northern California. In Pirkko Suihkonen, Bernard Comrie & Valery Solovyev (eds.), *Argument structure and grammatical relations: A crosslinguistic typology*, 257–294. (Studies in Language Companion Series 126). Amsterdam: John Benjamins.

Mithun, Marianne. 2013. Prosody and independence: Free and bound person marking. In Dik Bakker & Martin Haspelmath (eds.), *Languages across boundaries: Studies in memory of Anna Siewierska*, 291–312. Berlin: Mouton de Gruyter.

Nakayama, Toshihide. 1997. Discourse-pragmatic dynamism in Nuu-chah-nulth (Nootka) morphosyntax. University of California, Santa Barbara. doi:10.16953/deusbed.74839.

Nakayama, Toshihide. 2002. *Nuuchahnulth (Nootka) morphosyntax*. (University of California Publications in Linguistics 134). Berkeley: University of California Press.

Palmer, Bill. 2017. Categorial flexibility as an artefact of the analysis. *Studies in Language* 41(2). 408–444. doi:10.1075/sl.41.2.05pal. http://www.jbe-platform.com/content/journals/10.1075/sl.41.2.05pal.

Rijkhoff, Jan. 2007. Word classes. *Language & Linguistics Compass* 1(6). 709–726. doi:10.1111/j.1749-818X.2007.00030.x. http://doi.wiley.com/10.1111/j.1749-818X.2007.00030.x.

Rijkhoff, Jan & Eva van Lier (eds.). 2013. *Flexible word classes: Typological studies of underspecified parts of speech*. Oxford: Oxford University Press.

Sadock, Jerrold M. 1999. The nominalist theory of Eskimo: A case study in scientific self-deception. *International Journal of American Linguistics* 65(4). 383–406.

Thompson, Sandra A. 1989. A discourse approach to the cross-linguistic category “Adjective.” In Roberta Corrigan, Fred R. Eckman & Michael Noonan (eds.), *Linguistic categorization*, 245–266. (Current Issues in Linguistic Theory 61). Amsterdam: John Benjamins.

Vapnarsky, Valentina & Edy Veneziano. 2017a. Lexical polycategoriality: Cross-linguistic, cross-theoretical and language acquisition approaches. An introduction. In Valentina Vapnarsky & Edy Veneziano (eds.), *Lexical polycategoriality: Cross-linguistic, cross-theoretical, and language acquisition approaches*, 1–34. (Studies in Language Companion Series 182). Amsterdam: John Benjamins.

Vapnarsky, Valentina & Edy Veneziano (eds.). 2017b. *Lexical polycategoriality: Cross-linguistic, cross-theoretical and language acquisition approaches*. (Studies in Language Companion Series 182). Amsterdam: John Benjamins.

1. Grammatical (as opposed to lexical), closed-class categories such as demonstratives may also exhibit flexibility (cf. François 2017; Lichtenberk 2017), but this possibility will not be discussed here.

   [↑](#footnote-ref-1)
2. I use the term grammaticization in this dissertation in a somewhat atypical sense, to refer to the process whereby a construction becomes conventionalized and grammatically obligatory, and therefore “part of the grammar” (as opposed to, say, just a discourse tendency). When necessary, the term grammaticalization will be used to distinguish between the above sense of grammaticization, and the standard definition wherein a lexical item becomes a grammatical one (Hopper & Traugott 2003:2). While this choice of terms is admittedly less than ideal, I have yet to find a better term for the notion I am calling grammaticization. [↑](#footnote-ref-2)