

UPenn – Department of Linguistics

2021A spring: Ling 551 – Syntax 2

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1 Practical issues

- credit requirements:
 - regular attendance
 - active participation
 - read the assigned papers
 - presentation of (an earlier stage of) the term paper: roughly 20min + questions, with handout/slides, at the end of the semester
 - grade composed of:
 - * 5 written assignments in the first half of the semester (40%), typically involving data analysis/various exercises, potentially also questions related to a paper; released on Thursday, due next Tuesday before class (working with other students is o.k, but solutions have to handed in individually, preferably in electronic form; use latex for trees etc.)
 - * short open book exam after 2/3 of the semester (20%)
 - * write a term paper (deadline: end of May/beginning of June) (40%)
- all material can be found on canvas; lectures will be recorded

2 Goals

- get an overview of A'-related phenomena
- understand the major theoretical issues
- learn to read original papers
- learn to analyze complex data sets
- learn to develop your own research questions

3 Background reading

- general syntax intro: Adger (2003): chapters 8–10
- intro Minimalist syntax: Hornstein et al. (2005): chapters 5,6,7,9,10
- another intro: Sportiche et al. (2014)

4 Topics (draft)

- CP-layer (basics): Adger (2003: 8.1; 9.1–9.4)
 - what is the head of the clause: selection + distribution
 - T-to-C-movement
 - subject clauses
 - wh-movement: evidence for movement
 - doubly-filled comps
 - V2 = V-to-C-movement

- split-CP/cartography
 - more fine-grained structure of the left periphery: Rizzi (1997) vs. Abels (2012a)
 - wh-movement vs. topicalization
 - embedded V2
 - alternatives to cartography
 - information structure and triggers: Fanselow & Lenertová (2011)
 - differences between local and long-distance movement: as an argument that different positions are involved (in favor of cartography)
- long-distance movement:
 - empirical evidence for successive cyclicity: reflexes of movement: McCloskey (1990), McCloskey (2000), McCloskey (2002), Urk & Richards (2015); Georgi (2017), Urk (2019)
 - implementation of successive-cyclicity: Attract vs. Greed vs. phase-balance; cyclic Agree: Bošković (2007), Heck & Müller (2007),
 - which phases are there? Uniform vs. punctuated paths: Fox (1999), Legate (2003), Sauerland (2003), Abels (2012b)
 - strict cycle condition
- A'-movement: on unifying different construction types
 - properties of A'-movement: Chomsky (1977),
 - differences between A and A'-movement: Mahajan (1990), Urk (2015: chapter 2), Safir (2019), Keine (2019)
 - differences between the various A'-constructions: Postal (1994), Cinque (1990), Lasnik & Stowell (1991)
 - mixed types: Urk (2015: chapter 2)
- locality constraints: Müller (2011: 9-62)
 - classical Ross islands: Ross (1967)
 - subjacency
 - ECP, barriers: Chomsky (1986)
 - CED: Müller (2010)
 - superiority, relativized minimality/Minimal Link Condition: Rizzi (1990), Müller (2004), Müller (2011)
 - PIC: Chomsky (2000), Chomsky (2001), Abels (2012b)
 - Williams cycle, improper movement: Müller (2014a)
 - economy constraints: Sternefeld (1997), Müller & Sternefeld (2001), Müller (2006)
 - left-branch extraction: Bošković (2005), Bošković (2016), Branan (2018)
 - weak islands:
- remnant movement
 - representational vs. derivational approaches: Müller (1996), Müller (2015)
 - Müller-Takano generalization
 - Barss' generalization: Heck & Assmann (2014)
- LF-syntax:
 - Quantifier raising, scope, ACD: Bruening (2001), Fox (2002), Fox (2003), Wurmbrand (2018)
 - long-distance agreement: Polinsky & Potsdam (2001), Branigan & MacKenzie (2002), Bhattacharyya (2005), Legate (2005), Bobaljik & Wurmbrand (2005), Keine (2019),

- alternatives to regular A'-movement
 - resumption/base-generation: Aoun et al. (2001), McCloskey (2002), van Urk (2018)
 - (cyclic) Agree: Adger & Ramchand (2005), Legate (2005)
 - wh-in situ: perhaps something on beck effects - Korean? manetta 2010? aoun and li 1993? Cole and hermon 1998? - dayal 2017? Beck (1996), Pesetsky (2000), Kotek (2016), Kotek (2017),
 - partial movement, scope marking, wh-copying: Felser (2001, 2004)
 - prolepsis-based A'-constructions: Salzmann (2017)
- special A'-constructions
 - relative clauses: Bhatt (2002), Henderson (2007), Donati & Cecchetto (2011), Sichel (2014), Salzmann (2017)
 - clitic left-dislocation: Cinque (1990)
 - parasitic gaps
 - tough-movement: Řezáč (2006), Keine & Poole (2017)
 - rightward movement: Büring & Hartmann (1997), Fox & Nissenbaum (1999), Hunter & Frank (2014), Bruening (2018)
- Architectural issues
 - single output syntax vs. separate LF-branch, PF-movement: Nissenbaum (2000), Pesetsky (2000), Sauerland & Elbourne (2002)
 - copy theory of movement: what determines which copy is spelled out? Nunes (2004), Bobaljik (2002)
 - linearization: LCA and its alternatives: Kayne (1994), Fox & Pesetsky (2005), Abels & Neeleman (2012)
- negation: Zeijlstra (2004), Zeijlstra (2016)
 - NegP
 - negative concord: Luc & Daniel (1994), Zeijlstra (2004)
 - neg-raising: Collins & Postal (2017)
 - NPI-licensing
 - negative indefinites: Zeijlstra (2011)
- binding, logophors: Reinhart & Reuland (1993), Reuland (2001), Bruening (2014), Charnavel & Sportiche (2016)
- head-movement Arregi & Pietraszko (2019)
- reconstruction/late merger: Fox (1999), Takahashi & Hulsey (2009)
- free word order in the middle field
 - object shift
 - scrambling: movement: Japanese or neeleman and van der koot?: Heck & Himmelreich (2017)
 - scrambling: base-generation: Fanselow (2001)
- adjuncts: hierarchy: Cinque (1999)
- Rule ordering in syntax: derivational vs. representational approaches: Georgi (2014)
- Sharing constructions: ATB-movement, cf. Citko (2005), Salzmann (2012)

5 Program

01.21.2021 Basics: CP-structure, T-to-C-movement, wh-mvt:	Adger chapter 8.1; 9.1–9.4 release assignment 1
01.26.2021 Split CP:	Rizzi (1997) (omit sections 8-9,11-12)
01.28.2021 movement and information structure:	Fanselow & Lenertová (2011) (omit sections 4,6.2,7)
	release assignment 2
02.02.2021 successive cyclic mvt – evidence:	Urk & Richards (2015) (omit section 7)
02.04.2021 Which XPs are phases? Uniform vs. punctuated paths:	Abels (2012b: 15-52) release assignment 3
02.09.2021 successive cyclic mvt – implementation:	Bošković (2007) (omit sections 3.3 and 6.2)
02.11.2021 A'-movement vs. A-movement	Urk (2015: 23-37) release assignment 4
02.16.2021 locality 1: Classic constraints/Constraints in the Principles and Parameters approach:	Müller (2006: 32-80)
02.18.2020 locality 2: Constraints in the Principles and Parameters approach/Transderivational constraints in the Minimalist Program?	Müller (2006: 93-111)
02.23.2021 locality 3: Transderivational constraints in the Minimalist Program/Differences between different types of A'-movement	Müller (2006: 93-111); Postal (1994: 159-171)
02.25.2021 Remnant Movement 1: Müller (1996: 355-364,372-384,388-392); Müller (2015: 60-65), Müller (2014b: 99-108)	 release assignment 5
03.02.2021 Remnant movement 2	
03.04.2021 locality 4: CED-effects and the PIC:	Müller (2010) (omit everything from 5.2)
03.09.2021 locality 5: LBC and anti-locality; contextual phase-hood/edge-hood:	Bošković (2016) (omit 4.1 and appendix)
03.16.2021 QR, ACD and superiority	Bruening (2001) (omit sect. 5.7 and 7)
03.18.2021 wh-in-situ, intervention effects	Kotek (2017)(omit 3.3, 4), [Kotek (2016)(omit 4.2)]
03.23.2021 architecture: separate LF-cycle or single output syntax:	Nissenbaum (2000: 95-148); omit 113-118, 124-130
03.25.2021 Long-distance agreement:	Polinsky & Potsdam (2001) (omit sections 2 and 3, 5.2)
04.01.2021 resumption:	Aoun et al. (2001) (sect. 7 optional)
04.06.2021 relative clauses 1	Salzmann (2017: 6-16;34-48;55-63;77-81)
04.08.2021 relative clauses 2	
04.13.2021 Neg-raising	Collins & Postal (2017) (omit sections 9–11)
04.15.2021 linearization 1: copy theory of movement:	Nunes (2004: 7-43) (1.42 optional)
04.20.2021 linearization 2: word order:	Abels & Neeleman (2012) (omit sect. 4 & all from 5.2.2)
04.22.2021 Binding and c-command	Bruening (2014) (omit sections 4; 5.4–5.5; 6; 8)
04.27.2021 presentations	<i>Christine & Xin</i>
04.29.2021 presentations	<i>May & June</i>

References

- Abels, Klaus. 2012a. The Italian Left Periphery: A View from Locality. *Linguistic Inquiry* 43(1). 229–254.
- Abels, Klaus. 2012b. *Phases: An essay on cyclicity in syntax*. Berlin: De Gruyter.
- Abels, Klaus & Ad Neeleman. 2012. Linear asymmetries and the LCA. *Syntax* 15(1). 25–74.
- Adger, David. 2003. *Core syntax: A minimalist approach*. Oxford: Oxford University Press.
- Adger, David & Gillian Ramchand. 2005. Merge and Move: Wh-Dependencies Revisited. *Linguistic Inquiry* 36(2). 161–193.
- Aoun, Joseph, Lina Choueiri & Norbert Hornstein. 2001. Resumption, Movement, and Derivational Economy. *Linguistic Inquiry* 32(3). 371–403.
- Arregi, Karlos & Asia Pietraszko. 2019. The ups and downs of head displacement. Ms. University of Chicago/University of Connecticut, available at <https://ling.auf.net/lingbuzz/004096>.
- Beck, Sigrid. 1996. Quantified structures as barriers for LF movement. *Natural Language Semantics* 4(1). 1–56.
- Bhatt, Rajesh. 2002. The Raising Analysis of Relative Clauses: Evidence from Adjectival Modification. *Natural Language Semantics* 10(1). 43–90.
- Bhatt, Rajesh. 2005. Long Distance Agreement in Hindi-Urdu. *Natural Language & Linguistic Theory* 23(4). 757–807.
- Bobaljik, Jonathan & Susi Wurmbrand. 2005. The Domain of Agreement. *Natural Language & Linguistic Theory* 23(4). 809–865.
- Bobaljik, Jonathan David. 2002. A-Chains At The PF-Interface: Copies And Covert Movement. *Natural Language & Linguistic Theory* 20(2). 197–267.
- Bošković, Željko. 2005. On the locality of left branch extraction and the structure of NP. *Studia Linguistica* 59(1). 1–45.
- Bošković, Željko. 2007. On the Locality and Motivation of Move and Agree: An Even More Minimal Theory. *Linguistic Inquiry* 38(4). 589–644.
- Bošković, Željko. 2016. Getting Really Edgy: On the Edge of the Edge. *Linguistic Inquiry* 47(1). 1–33.
- Branan, Kenyon. 2018. Attraction at a Distance: A-bar-Movement and Case. *Linguistic Inquiry* 49(3). 409–440.
- Branigan, Phil & Marguerite MacKenzie. 2002. Altruism, A'-Movement, and Object Agreement in Innu-aimûn. *Linguistic Inquiry* 33(3). 385–407.
- Bruening, Benjamin. 2001. QR Obeys Superiority: Frozen Scope and ACD. *Linguistic Inquiry* 32(2). 233–273.
- Bruening, Benjamin. 2014. Precede-and-command revisited. *Language* 90(2). 342–388.
- Bruening, Benjamin. 2018. CPs Move Rightward, Not Leftward. *Syntax* 21(4). 362–401.
- Büring, Daniel & Katharina Hartmann. 1997. Doing the right Thing. *The Linguistic Review* 14. 1–42.
- Charnavel, Isabelle & Dominique Sportiche. 2016. Anaphor Binding: What French Inanimate Anaphors Show. *Linguistic Inquiry* 47(1). 35–87.
- Chomsky, Noam. 1977. On Wh-Movement. In Peter Culicover, Thomas Wasow & Adrian Akmajian (eds.), *Formal Syntax*, 71–132. New York: Academic Press.
- Chomsky, Noam. 1986. *Barriers*. Cambridge, MA: MIT Press.
- Chomsky, Noam. 2000. Minimalist Inquiries: The Framework. In Roger Martin, David Michaels & Juan Uriagereka (eds.), *Step by Step. Essays on Minimalist Syntax in Honor of Howard Lasnik*, 89–156. Cambridge, MA: MIT Press.
- Chomsky, Noam. 2001. Derivation by phase. In Michael Kenstowicz (ed.), *Ken Hale: A life in language*, 1–52. Cambridge, MA: MIT Press.
- Cinque, Guglielmo. 1990. *Types of A'-Dependencies*. Cambridge: MIT Press.
- Cinque, Guglielmo. 1999. *Adverbs and Functional Heads. A Cross-Linguistic Perspective*. New York: Oxford University Press.
- Citko, Barbara. 2005. On the Nature of Merge: External Merge, Internal Merge, and Parallel Merge. *Linguistic Inquiry* 36(4). 475–496.
- Collins, Chris & Paul Postal. 2017. Interclausal NEG raising and the scope of negation. *Glossa: A Journal of General Linguistics* 2(1), 29.
- Donati, Caterina & Carlo Cecchetto. 2011. Relabeling Heads: A Unified Account for Relativization Structures. *Linguistic Inquiry* 42(4). 519–560.
- Fanselow, Gisbert. 2001. Features, θ -Roles, and Free Constituent Order. *Linguistic Inquiry* 32(3). 405–437.
- Fanselow, Gisbert & Denisa Lenertová. 2011. Left peripheral focus: mismatches between syntax and information structure. *Natural Language & Linguistic Theory* 29(1). 169–209.

- Felser, Claudia. 2001. Wh-Expletives and Secondary Predication: German Partial Wh-Movement Reconsidered. *Journal of Germanic Linguistics* 13(1). 5–38.
- Felser, Claudia. 2004. Wh-Copying, Phases, and Successive Cyclicity. *Lingua: International Review of General Linguistics* 114(5). 543–74.
- Fox, Danny. 1999. Reconstruction, Binding Theory, and the Interpretation of Chains. *Linguistic Inquiry* 30(2). 157–196.
- Fox, Danny. 2002. Antecedent-Contained Deletion and the Copy Theory of Movement. *Linguistic Inquiry* 33(1). 63–96.
- Fox, Danny. 2003. On logical form. In Randall Hendrick (ed.), *Minimalist syntax*, 82–123. Oxford: Oxford University Press.
- Fox, Danny & Jon Nissenbaum. 1999. Extraposition and Scope: A Case for Overt OR. *Proceedings of WCCFL* 18. 132–144.
- Fox, Danny & David Pesetsky. 2005. Cyclic Linearization of Syntactic Structure. *Theoretical Linguistics* 31(1-2). 1–45.
- Georgi, Doreen. 2014. *Opaque Interactions of Merge and Agree: On the Nature and Order of Elementary Operations*. Leipzig: Leipzig University PhD dissertation. lingbuzz/002129.
- Georgi, Doreen. 2017. Patterns of movement reflexes as the result of the order of Merge and Agree. *Linguistic Inquiry* 48(4). 585–626.
- Heck, Fabian & Anke Assmann. 2014. Barss' Generalization and the Strict Cycle at LF. In Anke Assmann, Sebastian Bank, Doreen Georgi, Timo Klein, Philipp Weisser & Eva Zimmermann (eds.), *Topics at Infl Linguistische Arbeitsberichte*, 527–560. Institut für Linguistik: Universität Leipzig.
- Heck, Fabian & Anke Himmelreich. 2017. Opaque Intervention. *Linguistic Inquiry* 48(1). 47–97.
- Heck, Fabian & Gereon Müller. 2007. Derivational Optimization of Wh-movement. *Linguistic Analysis* 33(1-2). 97–148.
- Henderson, Brent. 2007. Matching and Raising Unified. *Lingua: International Review of General Linguistics* 117(1). 202–20.
- Hornstein, Norbert, Kleanthes K. Grohmann & Jairo Nunes. 2005. *Understanding minimalism*. Cambridge: Cambridge University Press.
- Hunter, Tim & Robert Frank. 2014. Eliminating Rightward Movement: Extraposition as Flexible Linearization of Adjuncts. *Linguistic Inquiry* 45(2). 227–267.
- Kayne, Richard S. 1994. *The antisymmetry of syntax*. Cambridge, MA: MIT Press.
- Keine, Stefan. 2019. Selective Opacity. *Linguistic Inquiry* 50(1). 13–62.
- Keine, Stefan & Ethan Poole. 2017. Intervention in tough-constructions revisited. *The Linguistic Review* 34(2). 295–329.
- Kotek, Hadas. 2016. Covert partial wh-movement and the nature of derivations. *Glossa: a journal of general linguistics* 1(1)(25).
- Kotek, Hadas. 2017. Dissociating intervention effects from superiority in English wh-questions. *The Linguistic Review* 34(2). 397–417.
- Lasnik, Howard & Tim Stowell. 1991. Weakest Crossover. *Linguistic Inquiry* 22(4). 687–720.
- Legate, Julie Anne. 2003. Some Interface Properties of the Phase. *Linguistic Inquiry* 34(3). 506–516.
- Legate, Julie Anne. 2005. Phases and Cyclic Agreement. In Martha McGinnis & Norvin Richards (eds.), *Perspectives on Phases* MITWPL, 147–156. Cambridge, MA: MIT Press.
- Luc, Moritz & Valois Daniel. 1994. Pied-Piping and Specifier-Head Agreement. *Linguistic Inquiry* 25(4). 667–707.
- Mahajan, Anoop. 1990. *The A/A-bar Distinction and Movement Theory*. Cambridge, MA: MIT Phd dissertation.
- McCloskey, James. 1990. Resumptive Pronouns, A-Binding and Levels of Representation in Irish. In Randall Hendrick (ed.), *The Syntax of the Modern Celtic Languages*, 199–248. San Diego: Academic Press.
- McCloskey, James. 2000. Quantifier Float and Wh-Movement in an Irish English. *Linguistic Inquiry* 31(1). 57–84.
- McCloskey, James. 2002. Resumption, Successive Cyclicity, and the Locality of Operations. In Samuel David Epstein & T. Daniel Seely (eds.), *Derivation and Explanation in the Minimalist Program*, 184–226. Oxford: Blackwell.
- Müller, Gereon. 1996. A constraint on remnant movement. *Natural Language & Linguistic Theory* 14(2). 355–407.
- Müller, Gereon. 2004. Phrase Impenetrability and Wh-Intervention. In Arthur Stepanov, Gisbert Fanselow & Ralf Vogel (eds.), *Minimality Effects in Syntax*, 289–325. Berlin: Mouton de Gruyter.
- Müller, Gereon. 2006. Constraints in syntax. Ms., University of Leipzig.
- Müller, Gereon. 2010. On Deriving CED Effects from the PIC. *Linguistic Inquiry* 41(1). 35–82.
- Müller, Gereon. 2011. *Constraints on Displacement*. Amsterdam: John Benjamins.
- Müller, Gereon. 2014a. A local approach to the Williams Cycle. *Lingua* 140. 117–136.

- Müller, Gereon. 2014b. *Syntactic Buffers. A Local-Derivational Approach to Improper Movement, Remnant Movement, and Resumptive Movement*. Leipzig: University of Leipzig.
- Müller, Gereon. 2015. Remnant movement in local derivational grammar. In Günther Grewendorf (ed.), *Remnant Movement*, 53–92. Berlin: De Gruyter Mouton.
- Müller, Gereon & Wolfgang Sternefeld. 2001. The Rise of Competition in Syntax: A Synopsis. In Gereon Müller & Wolfgang Sternefeld (eds.), *Competition in Syntax*, 1–68. Berlin: Mouton de Gruyter.
- Nissenbaum, Jon. 2000. *Investigations of covert Phrase Movement*. Cambridge, MA: MIT Doctoral dissertation.
- Nunes, Jairo. 2004. *Linearization of chains and sideward movement*. Cambridge, MA: MIT Press.
- Pesetsky, David. 2000. *Phrasal movement and its kin*. Cambridge, MA: MIT Press.
- Polinsky, Maria & Eric Potsdam. 2001. Long-Distance Agreement And Topic In Tsez. *Natural Language & Linguistic Theory* 19(3). 583–646.
- Postal, Paul M. 1994. Contrasting Extraction Types. *Journal of Linguistics* 30(1). 159–186.
- Reinhart, Tanya & Eric Reuland. 1993. Reflexivity. *Linguistic Inquiry* 24(4). 657–720.
- Reuland, Eric. 2001. Primitives of Binding. *Linguistic Inquiry* 32(3). 439–492.
- Řezáč, Milan. 2006. On tough-movement. In Cedric Boeckx (ed.), *Minimalist essays*, 288–325. Amsterdam: John Benjamins.
- Rizzi, Luigi. 1990. *Relativized minimality*. Cambridge, MA: MIT Press.
- Rizzi, Luigi. 1997. The Fine Structure of the Left Periphery. In Liliane Haegeman (ed.), *Elements of Grammar*, 281–337. Dordrecht: Kluwer.
- Ross, John R. 1967. *Constraints on variables in syntax*. Cambridge, MA: MIT Doctoral dissertation.
- Safir, Ken. 2019. The A/A' Distinction as an Epiphenomenon. *Linguistic Inquiry* 50(2). 285–336.
- Salzmann, Martin. 2012. A derivational ellipsis approach to ATB-movement. *The Linguistic Review* 29(3). 397–438.
- Salzmann, Martin. 2017. *Reconstruction and Resumption in Indirect A'-dependencies. On the Syntax of Prolepsis and Relativization in (Swiss) German and beyond*. Berlin: De Gruyter Mouton.
- Sauerland, Uli. 2003. Intermediate Adjunction with A-Movement. *Linguistic Inquiry* 34(2). 308–314.
- Sauerland, Uli & Paul Elbourne. 2002. Total Reconstruction, PF Movement, and Derivational Order. *Linguistic Inquiry* 33(2). 283–319.
- Sichel, Ivy. 2014. Resumptive Pronouns and Competition. *Linguistic Inquiry* 45(4). 655–693.
- Sportiche, Dominique, Hilda Koopman & Edward Stabler. 2014. *An Introduction to Syntactic Analysis and Theory*. Malden, MA: Wiley-Blackwell.
- Sternefeld, Wolfgang. 1997. Comparing Reference Sets. In Chris Wilder, Hans-Martin Gärtner & Manfred Bierwisch (eds.), *The Role of Economy Principles in Linguistic Theory*, 81–114. Berlin: Akademie.
- Takahashi, Shoichi & Sarah Hulsey. 2009. Wholesale Late Merger: Beyond the A/A' Distinction. *Linguistic Inquiry* 40(3). 387–426.
- van Urk, Coppe. 2018. Pronoun copying in Dinka Bor and the Copy Theory of Movement. *Natural Language & Linguistic Theory* 36(3). 937–990.
- Urk, Coppe van. 2015. *A uniform syntax for phrasal movement: A case study of Dinka Bor*. Cambridge, MA: MIT Doctoral dissertation.
- Urk, Coppe van. 2019. A taxonomy of successive cyclicity effects. Ms. Queen Mary University.
- Urk, Coppe van & Norvin Richards. 2015. Two Components of Long-Distance Extraction: Successive Cyclicity in Dinka. *Linguistic Inquiry* 46(1). 113–155.
- Wurmbrand, Susanne. 2018. The cost of raising quantifiers. *Glossa: a journal of general linguistics* 3(1)(19).
- Zeijlstra, Hedde. 2004. *Sentential Negation and Negative Concord*. Utrecht: LOT Publications.
- Zeijlstra, Hedde. 2011. On the syntactically complex status of negative indefinites. *The Journal of Comparative Germanic Linguistics* 14(2). 111–138.
- Zeijlstra, Hedde. 2016. Negation and Negative Dependencies. *Annual Review of Linguistics* 2(1). 233–254.