[fə.'net.iks wið 'lis.(ə)n.iŋ 'pækt.is 'b.it.iʃ 'juːn.it' 'θɾiː]



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

Instantiation

INDIVIDUATION

Axis DELICACY

Homework for Week 4



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION Instantiation

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

[fə.ˈnet.ɪks wɪð ˈlɪs.(ə)n.ɪŋ ˈpɹækt.ɪs ˈbɹɪt.ɪʃ ˈjuːn.ɪt ˈθɾiː] Phonetics with Listening Practice (British): Unit 3:

[$\eth = s.l. \ni b.(\vartheta) \downarrow (\vartheta) n(d) \downarrow s.l. \forall u. \forall u. (\vartheta) u.(\vartheta) u.$



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

Instantiation

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

[fə.ˈne̞t.ɪks wɪð ˈlɪs.(ə)n.ɪŋ ˈpɹækt.ɪs ˈbɹɪt.ɪʃ ˈju̞:n.ɪt ˈθɾiː] Phonetics with Listening Practice (British): Unit 3:

[$\eth a \ sil. ab.(a) \ (a) \ (a) \ (b) \ (a) \ (b) \ (a) \ ($



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

Instantiation

Individuation

Axis

Axis

Homework for Week 4

 $[\eth a \ sil. ab.(a)]$ (a)n(d) its in vai(a). (a)n. ments The syllable and its environments:

 $[s(a)m'.iel.av.(a)nt'khon.teksts im witf \delta a'sil.ab.(a)l'fan(k).f(a)nz]$



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFLINCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

 $[\eth a \ sil. ab.(a)]$ (a)n(d) its in vai(a). (a)n. ments The syllable and its environments:

 $[s(a)m'.iel.av.(a)nt'khon.teksts im witf \delta a'sil.ab.(a)l'fan(k).f(a)nz]$ some relevant contexts in which the syllable functions.



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFLINCTION

INDIVIDUATION

Axis DELICACY

Homework for Week 4

 $[\eth a \ sil. ab.(a)]$ (a)n(d) its in vai(a). (a)n. ments The syllable and its environments:

 $[s(a)m'.iel.av.(a)nt'khon.teksts im witf \delta a'sil.ab.(a)l'fan(k).f(a)nz]$ some relevant contexts in which the syllable functions.

['apb.ət 'spens]



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION RANK

METAFLINCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

 $[\eth a \ sil. ab.(a)]$ (a)n(d) its in vai(a). (a)n. ments The syllable and its environments:

 $[s(a)m'.iel.av.(a)nt'khon.teksts im witf \delta a'sil.ab.(a)l'fan(k).f(a)nz]$ some relevant contexts in which the syllable functions.

['apb.ət 'spens] Robert Spence



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION

RANK

METAFUNCTION

INDIVIDUATION

Axis DELICACY

Homework for Week 4

 $[\eth a \ sil. ab.(a)]$ (a)n(d) its in vai(a). (a)n. ments The syllable and its environments:

 $[s(a)m \mid sel.av.(a)nt \mid k^h vn.teksts \quad m \text{ wit} [\delta a \mid sil.ab.(a) \mid fan(k).f(a)nz]$ some relevant contexts in which the syllable functions.

['apb.ət 'spens] Robert Spence

['faxurcton ?an'glistik ?ont ?a meuika'nistik | 'faxurcton 'fpua:xvisnfaft | Rebnalgas | Sont | Spark | S



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFLINCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

[fə.'net.ıks wið 'lɪs.(ə)n.ɪŋ 'pɹækt.ɪs 'bɹɪt.ɪʃ 'juːn.ɪt' 'θɾiː] Phonetics with Listening Practice (British): Unit 3:

[\eth ə 'sıl.əb.(ə) $\frac{1}{2}$ (ə)n(d) _ ıts _ ın.'vaı(ə)ı.(ə)n.mənts] The syllable and its environments:

 $[s(ə)m '.iel.əv.(ə)nt 'k^h vn.teksts _ in witf \eth a 'sil.əb.(ə)l 'fan(k).f(ə)nz] some relevant contexts in which the syllable functions.$

[ˈɹɒb.ət ˈspe̞ns] Robert Spence

[ˈfaxʁɪçtoŋ ʔaŋˈglɪstɪk ʔont ʔaˌmeʁikaˈnɪstɪk | ˈfaxʁɪçtoŋ ˈʃpʁaːxvɪsṇʃaft ʔont ˈʃpʁaːxtʰɛçno·lo·giː | ˌʔunivɛɐ̞ziˈtʰɛːt dɛs ˈzaɐ̞landəs]

Fachrichtung Anglistik und Amerikanistik / Fachrichtung Sprachwissenschaft und Sprachtechnologie, Universität des Saarlandes



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

METAFUNCTION

INDIVIDUATION

Axis

Axis

Homework for Week 4

Fnvoi

[fə.ˈne̞t.ɪks wið ˈlɪs.(ə)n.ɪŋ ˈpɹækt.ɪs ˈbɹɪt.ɪʃ ˈju̞:n.ɪt ˈθɾiː] Phonetics with Listening Practice (British): Unit 3:

[\eth ə 'sıl.əb.(ə) $\frac{1}{2}$ (ə)n(d) _ ıts _ ın.'vaı(ə)ı.(ə)n.mənts] The syllable and its environments:

 $[s(ə)m '.iel.əv.(ə)nt 'k^h vn.teksts _ in witf \eth a 'sil.əb.(ə)l 'fan(k).f(ə)nz] some relevant contexts in which the syllable functions.$

[ˈɹɒb.ət ˈspe̞ns] Robert Spence

[ˈfaxʁɪçtoŋ ʔaŋˈglɪstɪk ʔont ʔaˌmeʁikaˈnɪstɪk | ˈfaxʁɪçtoŋ ˈʃpʁaːxvɪsn̩ʃaft ʔont ˈſpʁaːxtʰɛçno·lo·giː | ˌʔunivɛɐ̞ziˈtʰɛːt dɛs ˈzaɐ̞landəs]

Fachrichtung Anglistik und Amerikanistik / Fachrichtung Sprachwissenschaft und Sprachtechnologie, Universität des Saarlandes

[lə sep.ti.di set buy.me:u ã dø.sã.tuãt.katu]



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

.....

INDIVIDUATION

NDIVIDUATION

Axis

Homework for Week 4

[fə.'net.ıks wið 'lɪs.(ə)n.ɪŋ 'pɹækt.ɪs 'bɹɪt.ɪʃ 'juːn.ɪt' 'θɾiː] Phonetics with Listening Practice (British): Unit 3:

[\eth ə 'sıl.əb.(ə) $\frac{1}{2}$ (ə)n(d) _ ıts _ ın.'vaı(ə)ı.(ə)n.mənts] The syllable and its environments:

[s(a)m'.iel.av.(a)nt'khvn.teksts _ in witf $\eth a'sil.ab.(a)l'f_{\underline{A}}\eta(k).f(a)nz$] some relevant contexts in which the syllable functions.

[ˈɹɒb.ət ˈspe̞ns] Robert Spence

[ˈfaxʁɪçtʊŋ ʔaŋˈglıstık ʔʊnt ʔaˌmeʁikaˈnɪstık | ˈfaxʁıçtʊŋ ˈʃpʁaːxvɪsn̩ʃaft ʔʊnt ˈʃpʁaːxtʰɛçno·lo·giː | ˌʔunivɛɐ̞ziˈtʰɛːt dɛs ˈzaɐ̞landəs]

Fachrichtung Anglistik und Amerikanistik / Fachrichtung Sprachwissenschaft und Sprachtechnologie, Universität des Saarlandes

[lə sep.ti.di set bıy.me:ıs ɑ̃ dø.sɑ̃.tsɑ̃t.kats] le septidi sept brumaire an CCXXXIV



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

INSTANTIATION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

[fə.'net.ıks wið 'lɪs.(ə)n.ɪŋ 'pɹækt.ɪs 'bɹɪt.ɪʃ 'juːn.ɪt' 'θɾiː] Phonetics with Listening Practice (British): Unit 3:

[ðəˈsɪl.əb.(ə)f_(ə)n(d)_tts_m.'vai(ə)1.(ə)n.mənts] The syllable and its environments:

[s(a)m'ıçl.av.(a)nt ' k^h on.tęksts _ ın wıtʃ ða 'sıl.ab.(a)l'fұŋ(k).f(a)nz] some relevant contexts in which the syllable functions.

[ˈɹɒb.ət ˈspe̞ns] Robert Spence

[ˈfaxʁɪçtoŋ ʔaŋˈglɪstɪk ʔont ʔaˌmeʁikaˈnɪstɪk | ˈfaxʁɪçtoŋ ˈʃpʁaːxvɪsn̩ʃaft ʔont ˈʃpʁaːxtʰɛçno·lo·giː | ˌʔunivɛɐ̞ziˈtʰɛːt dɛs ˈzaɐ̞landəs]

Fachrichtung Anglistik und Amerikanistik / Fachrichtung Sprachwissenschaft und Sprachtechnologie, Universität des Saarlandes

[lə sep.ti.di set buy.mɛːʁ ɑ̃ dø.sɑ̃.tʁɑ̃t.katʁ] le septidi sept brumaire an CCXXXIV

[ˈtjuːz.dex ðə ˈtwent.i.ˈextə əv ok.ˈthəob.ə ˈtwent.i.ˈtwent.i.ˈfaxv]



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

Instantiation

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

[ðəˈsɪl.əb.(ə)f_(ə)n(d)_tts_m.'vai(ə)1.(ə)n.mənts] The syllable and its environments:

[$s(a)m'.iel.av.(a)nt'khvn.teksts_in witf \delta a'sil.ab.(a)l'fan(k).f(a)nz$] some relevant contexts in which the syllable functions.

[ˈɹɒb.ət ˈspe̞ns] Robert Spence

[ˈfaxʁɪçtoŋ ʔaŋˈglıstık ʔont ʔaˌmeʁikaˈnıstık | ˈfaxʁıçtoŋ ˈʃpʁaːxvɪsn̩ʃaft ʔont ˈʃpʁaːxtʰeçno·lo·giː | ˌʔunivɛɐ̞ziˈtʰeːt des ˈzaɐ̞landəs]

Fachrichtung Anglistik und Amerikanistik / Fachrichtung Sprachwissenschaft und Sprachtechnologie, Universität des Saarlandes

[lə sep.ti.di set buy.me:ʁ ɑ̃ dø.sɑ̃.tʁɑ̃t.katʁ] le septidi sept brumaire an CCXXXIV

[ˈtju̞ːz.de̞ɪ ðə ˈtw̞e̞nt.i.ˈe̞ɪt̞θ ‿əv ‿ɒk.ˈtʰəo̞b.ə ˈtw̞e̞nt.i.ˈtw̞e̞nt.i.ˈfa̯ɪv] Tuesday 28 October 2025



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

INSTANTIATION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

Unit 3

The syllable and its environments

some relevant contexts in which the syllable functions.

Slides for the session of Practical English Phonetics (British) / Phonetics with Listening Practice (British) held on le septidi 7 brumaire an CCXXXIV Tuesday 28 October 2025



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

METAFUNCTION

INDIVIDUATION

DIVIDUATION

Axis

. .

Homework for Week 4

Envoi

Robert Spence { English Department | LangSciTech } Saarland University

Dedication



Image: "F. Jullien Genève", maybe Frank-Henri Jullien (1882–1938) - Indogermanisches Jahrbuch / Wikipedia CC BY-SA 4.0

Ferdinand Mongin de Saussure 26.11.1857--22.2.1913



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION

METAFUNCTION

INSTANTIATION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

• **Diachronic** (but not systemic):



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

RANK

METAFUNCTION

INSTANTIATION

INDIVIDUATION

NDIVIDUATION

Axis

DELICACY

Homework for Week 4

- **Diachronic** (but *not systemic*):
 - Before Saussure, linguistics was mostly historical linguistics studying the history of (parts of) languages, such as words, or sounds, across time.



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

Instantiation

Individuation

Axis

Homework for Week 4

- **Diachronic** (but *not systemic*):
 - Before Saussure, linguistics was mostly historical linguistics studying the history of (parts of) languages, such as words, or sounds, across time.
- Synchronic (and systemic):



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

Instantiation

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

- **Diachronic** (but not systemic):
 - Before Saussure, linguistics was mostly historical linguistics studying the history of (parts of) languages, such as words, or sounds, across time.
- Synchronic (and systemic):
 - Saussure proposed that a language should be studied as a single, whole system, at one point in time.



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

BTANTIATION

Individuation

Axis

Homework for Week 4

Envoi

DELICACY

- **Diachronic** (but not systemic):
 - Before Saussure, linguistics was mostly historical linguistics studying the history of (parts of) languages, such as words, or sounds, across time.
- Synchronic (and systemic):
 - Saussure proposed that a language should be studied as a single, whole system, at one point in time.
 - This change of perspective made Saussure the father of modern linguistics.



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

TANTIATION

Individuation

Axis

Homework for Week 4

- Diachronic (but not systemic):
 - Before Saussure, linguistics was mostly historical linguistics studying the history of (parts of) languages, such as words, or sounds, across time.
- Synchronic (and systemic):
 - Saussure proposed that a language should be studied as a single, whole system, at one point in time.
 - This change of perspective made Saussure the father of modern linguistics.
- How to **fuse** both perspectives?



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

STANTIATION

Individuation

Axis

Homework for Week 4

Fnvoi

DELICACY

- **Diachronic** (but not systemic):
 - Before Saussure, linguistics was mostly historical linguistics studying the history of (parts of) languages, such as words, or sounds, across time.
- **Synchronic** (and *systemic*):
 - Saussure proposed that a language should be studied as a single, whole system, at one point in time.
 - This change of perspective made Saussure the father of modern linguistics.
- How to fuse both perspectives?
 - "The biggest mistake people make is: not to work historically!"
 - Rugaiya Hasan



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

Fnvoi

- Diachronic (but not systemic):
 - Before Saussure, linguistics was mostly historical linguistics studying the history of (parts of) languages, such as words, or sounds, across time.
- Synchronic (and systemic):
 - Saussure proposed that a language should be studied as a single, whole system, at one point in time.
 - This change of perspective made Saussure the father of modern linguistics.
- How to fuse both perspectives?
 - "The biggest mistake people make is: not to work historically!"
 Ruqaiya Hasan
 - "Every text that is, everything that is said or written unfolds in some context of use; furthermore, it is the uses of language that, over tens of thousands of generations, have shaped the system. Language has evolved to satisfy human needs; and the way it is organised is functional with respect to these needs."
 - Michael Halliday (IFG2: xiii)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

INSTANTIATION

Axis

DELICACY

Homework for Week 4

Overview of Unit 3

- 1 From matter to meaning: language in the evolutionary order
- 2 Signs and semiotic systems
- 3 Dimensions in the Systemic Functional theory of language

Manifestation

STRATIFICATION

RANK

METAFUNCTION

Instantiation

INDIVIDUATION

Axıs

DELICACY

- 4 Homework for Week 4
- **5** Envoi



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

TANTIATION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

Evolution vs. development: a terminological reminder

Evolution is "Descent with modification". Languages, computers and fashions evolve. Solar systems, mountains and embryos don't. They develop

Chaucerian English EVOLVED into modern English. Language DEVELOPS afresh in each child.

In EVOLUTION there is a succession of entities, each slightly different from its predecessor.

In DEVELOPMENT, one entity changes over time.

- Richard Dawkins Twitter 9.11.2015



The syllable and its environments

Outline

From matter to meaning language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

hiotanitiation

Individuation

Axis

DELICACY

Homework for Week 4

The place of language in the evolutionary order of nature:



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

RANK

..

METAFUNCTION INSTANTIATION

INDIVIDUATION

DIVIDUATION

Axis

DELICACY

Homework for Week 4

The place of language in the evolutionary order of nature:

• matter + life \rightarrow function



The syllable and its environments

Outline

language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

Instantiation

INDIVIDUATION

Axis DELICACY

Homework for Week 4

The place of language in the evolutionary order of nature:

- matter + life \rightarrow function
- life + society \rightarrow value

Gebrauchswert

Gebrauchswe ↓



The syllable and its environments

Outline

From matter to mean language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

Instantiation

Individuation

Axis

DELICACY

Homework for Week 4

The place of language in the evolutionary order of nature:

- matter + life \rightarrow function
- life + society \rightarrow value

 $\mathsf{society} + \mathsf{language} o \mathsf{\textit{meaning}}$

•

Gebrauchswert

.....<u>+</u>

environments
Outline

From matter to meaning language in the evolutionary order

The syllable and its

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

Instantiation

Individuation

Axis

Axis

Homework for Week 4

The place of language in the evolutionary order of nature:

Gebrauchswert

- matter + life \rightarrow function
- ${\sf life} + {\sf society} \rightarrow {\it value}$
- $society + language \rightarrow meaning$
 - [before there is grammar:]
 - sounds 'standing for' meanings → words



The syllable and its environments

Outline

language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFLINCTION

INSTANTIATION

INDIVIDUATION

Axis DELICACY

Homework for Week 4

The place of language in the evolutionary order of nature:

- ullet matter + life o function
- life + society \rightarrow value Gebrauchswert
- ullet society + language o meaning
 - [before there is grammar:]
 - sounds 'standing for' meanings → words
 - [once there is grammar:]
 - sounds 'stand for' words ...



The syllable and its environments

Outline

From matter to meaning language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

NOTANTIATION

Individuation

Axis

DELICACY

Homework for Week 4

The place of language in the evolutionary order of nature:

- matter + life → function
- Gebrauchswert life + society \rightarrow value
- $society + language \rightarrow meaning$
 - [before there is grammar:]
 - **sounds** 'standing for' **meanings** → *words*
 - [once there is grammar:]
 - sounds 'stand for' words ...
 - ... and words in structures 'stand for' meanings

The syllable and its environments

Outline

language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFLINCTION

INDIVIDUATION

Axis DELICACY

Homework for Week 4

φων

The syllable and its environments

Outline

From matter to meaning language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

..

METAFUNCTION

Individuation

DIVIDUATION

Axis

DELICACY

Homework for Week 4

Envoi

The place of language in the evolutionary order of nature:

- matter + life \rightarrow function
- life + society \rightarrow value Gebrauchswert
 - ullet society + language o meaning
 - [before there is grammar:]
 - sounds 'standing for' meanings → words
 - [once there is grammar:]
 - sounds 'stand for' words ...
 - ... and words in structures 'stand for' meanings
 - thus, adult human language has three 'levels' or 'strata':

φων

The syllable and its environments

Outline

From matter to meaning language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

MEIAFUNCTION

INDIVIDUATION

NDIVIDUATION

Axis

DELICACY

 $Homework \ for \ Week \ 4$

Envoi

The place of language in the evolutionary order of nature:

- matter + life \rightarrow function
- $\bullet \qquad \qquad \mathsf{life} + \mathsf{society} \to \mathit{value}$
- Gebrauchswert ↓ Tauschwert
- $society + language \rightarrow meaning$
- [before there is grammar:]
- sounds 'standing for' meanings → words
- [once there is grammar:]
- sounds 'stand for' words ...
- ... and words in structures 'stand for' meanings
 - thus, adult human language has three 'levels' or 'strata':
 - meanings

φων

The syllable and its environments

Outline

From matter to meaning language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

...

METAFUNCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

Envoi

The place of language in the evolutionary order of nature:

- ullet matter + life o function
- ullet life + society o value
- Gebrauchswert e ↓ Tauschwert
- lacksquare society + language o meaning
 - [before there is grammar:]
 - sounds 'standing for' meanings → words
 - [once there is grammar:]
 - sounds 'stand for' words ...
 - ... and words in structures 'stand for' meanings
 - thus, adult human language has three 'levels' or 'strata':
 - meanings
 - ... stood for by wordings

From matter to meaning

φων

The place of language in the evolutionary order of nature:

- matter + life \rightarrow function
- ullet society + language o meaning
 - [before there is grammar:]
 - sounds 'standing for' meanings \rightarrow words
 - [once there is grammar:]
 - sounds 'stand for' words ...
 - ... and words in structures 'stand for' meanings
 - thus, adult human language has three 'levels' or 'strata':
 - meanings
 - ... stood for by wordings
 - ... stood for by sound(ing)s

The syllable and its environments

Outline

From matter to meaning language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

INDIVIDUATION

IDIVIDUATION

Axis

DELICACY

Homework for Week 4

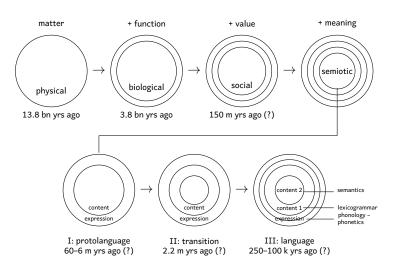


Figure: From matter to meaning (after C. M. I. M. Matthiessen)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

Instantiation

INDIVIDUATION

Axis

Homework for Week 4

The importance of using a logarithmic time scale:

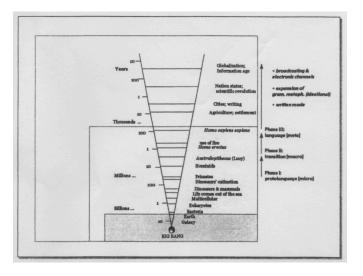


Figure: Cosmogenesis (logarithmic scale): acceleration



The syllable and its environments

Outline

From matter to meanin language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

STRATIFICATION RANK

METAFUNCTION INSTANTIATION

Individuation

Axis

Homework for Week 4

Signs and semiotic systems (1)

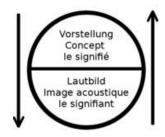


Figure: The sign function (Saussure)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

INSTANTIATION

INDIVIDUATION

DELICACY

Axis

Homework for Week 4

Envoi

Source: Wikipedia

Signs and semiotic systems (2)

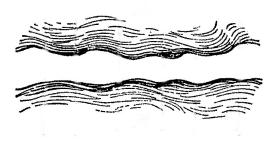


Figure: Without language, thought and sound are indefinite and indistinct

Source: adapted from Saussure (1916); Wikipedia



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and se

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

RANK

METAFUNCTION

Instantiation

INDIVIDUATION

Axis

...

DELICACY

Homework for Week 4

Signs and semiotic systems (3)

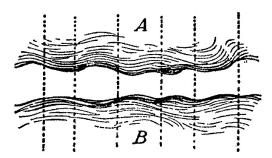


Figure: With language: the arbitrariness of the sign and the notion of *valeur*

Source: Saussure (1916); Wikipedia



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and se

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

RANK

METAFUNCTION

Instantiation

Individuation

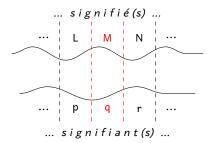
Axis

DELICACY

Homework for Week 4

Signs and semiotic systems (4): l'arbitraire du signe & valeur

• language (... L/p, M/q, N/r, ...) is a form, not a substance



- that q stands for M is ARBITRARY
- M is only defined by its VALUE relative to { ... L ... N ...}
- q is only defined by its VALUE relative to { ... p ... r ... }



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

STANTIATION

Individuation

Axis

Homework for Week 4

Signs and semiotic systems (5): an extraterrestrial example



Figure: Klingon has 8 different concepts where English has only 'fight'; and don't confuse the final sound of "qaH" $[q^h\alpha x]$ ('Sir!') vs "qagh" $[q^h\alpha y]$ ('worms')! — semantic space and phonetic space are partitioned differently from the way they are in English



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semi

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

Instantiation

INDIVIDUATION

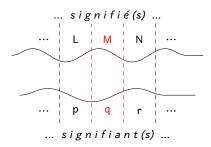
Axis

DELICACY

Homework for Week 4

Signs and semiotic systems (6): $\emph{l'arbitraire du signe} \longleftrightarrow \emph{valeur}$

• language (... L/p, M/q, N/r, ...) is a form, not a substance



- that **q** stands for **M** is ARBITRARY
- M is only defined by its VALUE relative to { ... L ... N ...}
- q is only defined by its VALUE relative to { ... p ... r ... }
- society (a speech community) is necessary to define these SYSTEMS of values
- were the signifiant / signifié relation natural, not arbitrary, it
 would not be necessary for the speech community to so strictly
 police the boundaries between the signs within the system



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

systems

Dimensions in the Systemic Functional theory of language

STRATIFICATION

RANK

METAFUNCTION

INSTANTIATION

Axis

DELICACY

Homework for Week 4

Fnvoi

A semiotic system = a system of signs

• Each sign can only be defined by its place in the system of signs.



Source: Wikipedia

- Language is a system of signs.
- Read:
 Ferdinand de Saussure: Cours de linguistique générale. 1916.

 Available online.
- These five paragraphs from Saussure (1916) are ...
 ... the most important thing I will ever be able to teach you about language:



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

Instantiation

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

Fnvoi

Priming vocabulary for the following video

φων

The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

Instantiation

Individuation

Axis

DELICACY

Homework for Week 4

Envoi

Richard Dawkins's teacher, John Maynard Smith, introduced GAME THEORY into evolutionary biology.

Here, as part of a lecture on the evolution of life seen from the point of view of information theory, he describes the difference between animal language and human language.

Key vocabulary items that unexpectedly occur in the video clip:

vervet monkey

 ${\sf leopard-eagle-snake-another\ troop\ of\ monkeys}$

lion — dog — sleeping — running

From a bistratal to a tristratal semiotic system



Figure: John Maynard Smith \leftarrow click for link to video extract

The full video on the origin of life is available in six parts here:

https://www.youtube.com/watch?v=viP5kBMtZ18 https://www.youtube.com/watch?v=EzP3m_XlwV8 https://www.youtube.com/watch?v=fRzRbohQ5Zs https://www.youtube.com/watch?v=Il-yoFGogyA https://www.youtube.com/watch?v=dmrjelcd90o https://www.youtube.com/watch?v=tzGDio2ARPw



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

systems

Dimensions in the Systemic Functional theory of language

STRATIFICATION

Rank

METAFUNCTION

Instantiation

Individuation

Axis

DELICACY

Homework for Week 4

The theory of language adopted in this course is **Systemic Functional Linguistics (SFL)**. The theory provides a number of dimensions for describing language, the most important of which are described here:



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFLINCTION

METAFUNCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

The theory of language adopted in this course is **Systemic Functional Linguistics (SFL)**. The theory provides a number of dimensions for describing language, the most important of which are described here:

MANIFESTATION (how language appears ['manifests itself'] in the world)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFLINCTION

EIAFUNCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

The theory of language adopted in this course is **Systemic Functional Linguistics (SFL)**. The theory provides a number of dimensions for describing language, the most important of which are described here:

- MANIFESTATION (how language appears ['manifests itself'] in the world)
- **2 STRATIFICATION** (levels of 'something standing for something else' a.k.a. 'something **REALISING** something else' a.k.a. 'something being constrained by something else')



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation

STRATIFICATION RANK

METAFLINCTION

ISTANTIATION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

The theory of language adopted in this course is **Systemic Functional Linguistics (SFL)**. The theory provides a number of dimensions for describing language, the most important of which are described here:

- MANIFESTATION (how language appears ['manifests itself'] in the world)
- **2 STRATIFICATION** (levels of 'something standing for something else' a.k.a. 'something **REALISING** something else' a.k.a. 'something being constrained by something else')
- **3** RANK (bigger units made up of smaller ones)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION RANK

METAFLINCTION

METAFUNCTION

INDIVIDUATION

Axis

Axis

Homework for Week 4

The theory of language adopted in this course is **Systemic Functional Linguistics (SFL)**. The theory provides a number of dimensions for describing language, the most important of which are described here:

- Manifestation (how language appears ['manifests itself'] in the world)
- **2 STRATIFICATION** (levels of 'something standing for something else' a.k.a. 'something **REALISING** something else' a.k.a. 'something being constrained by something else')
- 3 RANK (bigger units made up of smaller ones)
- METAFUNCTION (different FUNCTIONAL COMPONENTS of meaning, determining different kinds of structures)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION

Rank

METAFUNCTION

INDIVIDUATION

Axis

Axis

.

Homework for Week 4

The theory of language adopted in this course is **Systemic Functional Linguistics (SFL)**. The theory provides a number of dimensions for describing language, the most important of which are described here:

- MANIFESTATION (how language appears ['manifests itself'] in the world)
- STRATIFICATION (levels of 'something standing for something else' a.k.a. 'something REALISING something else' a.k.a. 'something being constrained by something else')
- 3 RANK (bigger units made up of smaller ones)
- METAFUNCTION (different FUNCTIONAL COMPONENTS of meaning, determining different kinds of structures)
- **5 Instantiation** (of the potential by the actual)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION RANK

METAFLINCTION

STANTIATION

INDIVIDUATION

Axis

Homework for Week 4

Fnvoi

The theory of language adopted in this course is **Systemic Functional Linguistics (SFL)**. The theory provides a number of dimensions for describing language, the most important of which are described here:

- MANIFESTATION (how language appears ['manifests itself'] in the world)
- STRATIFICATION (levels of 'something standing for something else' a.k.a. 'something REALISING something else' a.k.a. 'something being constrained by something else')
- 3 RANK (bigger units made up of smaller ones)
- METAFUNCTION (different FUNCTIONAL COMPONENTS of meaning, determining different kinds of structures)
- **5 Instantiation** (of the potential by the actual)
- 6 INDIVIDUATION (the individual user's selection of their own 'repetoire' from the collective 'reservoir' of resources for meaning-making)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION RANK

METAFLINCTION

STANTIATION

INDIVIDUATION Axis

DELICACY

Homework for Week 4

The theory of language adopted in this course is **Systemic Functional Linguistics (SFL)**. The theory provides a number of dimensions for describing language, the most important of which are described here:

- Manifestation (how language appears ['manifests itself'] in the world)
- **2 STRATIFICATION** (levels of 'something standing for something else' a.k.a. 'something **REALISING** something else' a.k.a. 'something being constrained by something else')
- 3 RANK (bigger units made up of smaller ones)
- METAFUNCTION (different FUNCTIONAL COMPONENTS of meaning, determining different kinds of structures)
- **5 Instantiation** (of the potential by the actual)
- 6 Individuation (the individual user's selection of their own 'repetoire' from the collective 'reservoir' of resources for meaning-making)
- Axis (choice vs. chain)
- 8 DELICACY ('broad' vs. 'narrow' descriptions)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

At the point where language interfaces with physical reality, there are three possible ways in which it can 'manifest itself':

• sound (pronunciation) ... from the very beginning



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION RANK

TIANK

METAFUNCTION

Instantiation

DIVIDUATION

Axis

Homework for Week 4

At the point where language interfaces with physical reality, there are three possible ways in which it can 'manifest itself':

- sound (pronunciation) ... from the very beginning
- writing (orthography) ... since about 3000 B.C.



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION RANK

TIANK

METAFUNCTION

Individuation

DIVIDUATION

Axis

Homework for Week 4

At the point where language interfaces with physical reality, there are three possible ways in which it can 'manifest itself':

- sound (pronunciation) ... from the very beginning
- writing (orthography) ... since about 3000 B.C.
- "signing" (Gebärdensprache) ... for the hearing-impaired



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION RANK

TIANK

METAFUNCTION

INDIVIDUATION

DIVIDUATION

Axis

Homework for Week 4

At the point where language interfaces with physical reality, there are three possible ways in which it can 'manifest itself':

- sound (pronunciation) ... from the very beginning
- writing (orthography) ... since about 3000 B.C.
- "signing" (Gebärdensprache) ... for the hearing-impaired

Genuine question: Would you be prepared to change your handwriting in order to "fit in" better in an English-speaking country?



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION RANK

METAFLINCTION

ETAFUNCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

At the point where language interfaces with physical reality, there are three possible ways in which it can 'manifest itself':

- sound (pronunciation) ... from the very beginning
- writing (orthography) ... since about 3000 B.C.
- "signing" (Gebärdensprache) ... for the hearing-impaired

Genuine question: Would you be prepared to change your handwriting in order to "fit in" better in an English-speaking country?

What about the way you write J, Z, z, 1, 7, 9?



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION RANK

METAFUNCTION

METAFUNCTION

INDIVIDUATION

Axis

Axis

Homework for Week 4

At the point where language interfaces with physical reality, there are three possible ways in which it can 'manifest itself':

- sound (pronunciation) ... from the very beginning
- writing (orthography) ... since about 3000 B.C.
- "signing" (Gebärdensprache) ... for the hearing-impaired

Genuine question: Would you be prepared to change your handwriting in order to "fit in" better in an English-speaking country?

What about the way you write J, Z, z, 1, 7, 9?

I have to change the way I write these every time I enter Australia or enter Germany.



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION RANK

METAFUNCTION

hierantiation

Individuation

Axis

DELICACY

Homework for Week 4

At the point where language interfaces with physical reality, there are three possible ways in which it can 'manifest itself':

- sound (pronunciation) ... from the very beginning
- writing (orthography) ... since about 3000 B.C.
- "signing" (Gebärdensprache) ... for the hearing-impaired

Genuine question: Would you be prepared to change your handwriting in order to "fit in" better in an English-speaking country?

What about the way you write J, Z, z, 1, 7, 9?

I have to change the way I write these every time I enter Australia or enter Germany.

Changing the way your hand moves when you write is like changing the way your tongue moves when you speak.



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION RANK

METAFUNCTION

hierantiation

Individuation

Axis

DELICACY

Homework for Week 4

Fnvoi

At the point where language interfaces with physical reality, there are three possible ways in which it can 'manifest itself':

- sound (pronunciation) ... from the very beginning
- writing (orthography) ... since about 3000 B.C.
- "signing" (Gebärdensprache) ... for the hearing-impaired

Genuine question: Would you be prepared to change your handwriting in order to "fit in" better in an English-speaking country?

What about the way you write J, Z, z, 1, 7, 9?

I have to change the way I write these every time I enter Australia or enter Germany.

Changing the way your hand moves when you write is like changing the way your tongue moves when you speak.

Are you aware of what makes you seem German? (Remember: You're a spy! A German accent will give you away!)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

STRATIFICATION RANK

METAFUNCTION

Instantiation

Individuation

Axis

DELICACY

Homework for Week 4



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

RANK

..

METAFUNCTION INSTANTIATION

INDIVIDUATION

DIVIDUATION

Axis

DELICACY

Homework for Week 4

Envoi

 Phonetics (are those human sounds? AND: are those the kinds of sounds you'd hear in English?)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

RANK

METAFLINCTION

METAPUNCTION

INDIVIDUATION

NDIVIDUATION

Axis

DELICACY

Homework for Week 4

- Phonology (are those the kinds of sound patterns you find in English words and sentences?)
- Phonetics (are those human sounds? AND: are those the kinds of sounds you'd hear in English?)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

RANK

METAFUNCTION

NSIANTIATION

Individuation

Axis

DELICACY

Homework for Week 4

- Lexicogrammar (what do the words and sentences mean... regardless of context?)
- **Phonology** (are those the kinds of sound patterns you find in English words and sentences?)
- Phonetics (are those human sounds? AND: are those the kinds of sounds you'd hear in English?)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATIO

RANK

METAFUNCTION

NSIANTIATION

INDIVIDUATION

Axis

DELICACY

 $Homework \ for \ Week \ 4$

- Discourse Semantics (what do the words and structures mean... in context?)
- Lexicogrammar (what do the words and sentences mean... regardless of context?)
- **Phonology** (are those the kinds of sound patterns you find in English words and sentences?)
- Phonetics (are those human sounds? AND: are those the kinds of sounds you'd hear in English?)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

RANK

METAFUNCTION

. INSTANTIATION

Individuation

Axis

DELICACY

Homework for Week 4

- Register (what's going on? who's taking part? what role is language playing?)
- Discourse Semantics (what do the words and structures mean... in context?)
- Lexicogrammar (what do the words and sentences mean... regardless of context?)
- **Phonology** (are those the kinds of sound patterns you find in English words and sentences?)
- Phonetics (are those human sounds? AND: are those the kinds of sounds you'd hear in English?)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

RANK

METAFUNCTION

INDIVIDUATION

NDIVIDUATION

Axis

DELICACY

Homework for Week 4

- Genre (what kind of text for what social purpose?)
- Register (what's going on? who's taking part? what role is language playing?)
- Discourse Semantics (what do the words and structures mean... in context?)
- Lexicogrammar (what do the words and sentences mean... regardless of context?)
- **Phonology** (are those the kinds of sound patterns you find in English words and sentences?)
- Phonetics (are those human sounds? AND: are those the kinds of sounds you'd hear in English?)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

STRATIFICATION

Rank

METAFUNCTION

INDIVIDUATION

IDIVIDUATION

Axis

DELICACY

 $Homework \ for \ Week \ 4$

- (Code) (who's an insider? e.g. two insiders: "Unn?" "Jo.")
- Genre (what kind of text for what social purpose?)
- Register (what's going on? who's taking part? what role is language playing?)
- Discourse Semantics (what do the words and structures mean... in context?)
- Lexicogrammar (what do the words and sentences mean... regardless of context?)
- **Phonology** (are those the kinds of sound patterns you find in English words and sentences?)
- Phonetics (are those human sounds? AND: are those the kinds of sounds you'd hear in English?)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

- Ideology (what is thinkable? what is doable?)
- (Code) (who's an insider? e.g. two insiders: "Unn?" "Jo.")
- Genre (what kind of text for what social purpose?)
- **Register** (what's going on? who's taking part? what role is language playing?)
- Discourse Semantics (what do the words and structures mean... in context?)
- Lexicogrammar (what do the words and sentences mean... regardless of context?)
- Phonology (are those the kinds of sound patterns you find in English words and sentences?)
- Phonetics (are those human sounds? AND: are those the kinds of sounds you'd hear in English?)

2) Higher STRATA constraining lower STRATA

- The syllable and its environments
- Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language MANIFESTATION

RANK

STRATIFICATION METAFUNCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

- (Material reality: Bipedal apes living)
- Ideology (what is thinkable? what is doable?)
- (Code) (who's an insider? e.g. two insiders: "Unn?" "Jo.")
- Genre (what kind of text for what social purpose?)
- Register (what's going on? who's taking part? what role is language playing?)
- Discourse Semantics (what do the words and structures mean... in context?)
- Lexicogrammar (what do the words and sentences mean... regardless of context?)
- Phonology (are those the kinds of sound patterns you find in English words and sentences?)
- Phonetics (are those human sounds? AND: are those the kinds of sounds you'd hear in English?)

2) Higher STRATA constraining lower STRATA



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

STRATIFICATION

Rank

METAFUNCTION

Instantiation

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

- (Material reality: Bipedal apes living)
- Ideology (what is thinkable? what is doable?)
- (Code) (who's an insider? e.g. two insiders: "Unn?" "Jo.")
- Genre (what kind of text for what social purpose?)
- **Register** (what's going on? who's taking part? what role is language playing?)
- Discourse Semantics (what do the words and structures mean... in context?)
- Lexicogrammar (what do the words and sentences mean... regardless of context?)
- Phonology (are those the kinds of sound patterns you find in English words and sentences?)
- Phonetics (are those human sounds? AND: are those the kinds of sounds you'd hear in English?)
- (Material reality: Bipedal apes making noises with their faces)

2) Higher STRATA constraining lower STRATA

- Language: the noises we make with our faces in order to live
- (Material reality: Bipedal apes living)
- Ideology (what is thinkable? what is doable?)
- (Code) (who's an insider? e.g. two insiders: "Unn?" "Jo.")
- Genre (what kind of text for what social purpose?)
- Register (what's going on? who's taking part? what role is language playing?)
- Discourse Semantics (what do the words and structures mean... in context?)
- Lexicogrammar (what do the words and sentences mean... regardless of context?)
- Phonology (are those the kinds of sound patterns you find in English words and sentences?)
- Phonetics (are those human sounds? AND: are those the kinds of sounds you'd hear in English?)
- (Material reality: Bipedal apes making **noises** with their **faces**)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

RANK

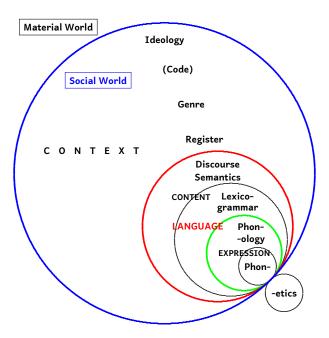
METAFUNCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4





The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

Instantiation

Individuation

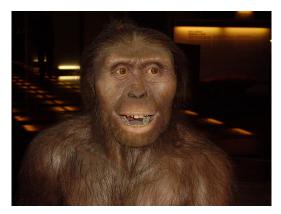
Axis

Homework for Week 4

Envoi

DELICACY

2) Ideology is historically conditioned



Source: Wikipedia / Licence: CC by SA 2.0

It's 3.2 million years ago. You're an *Australopithecus afarensis*. What is thinkable? What is doable?



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

RANK

METAFUNCTION

Instantiation

INDIVIDUATION

KIS

DELICACY

Homework for Week 4

3) RANK: bigger units made up of smaller ones (1)

The rank scale in grammar:

clause	an asteroid killed the dinosaurs						
group	an asteroid		killed		the dinosaurs		
word	an	asteroid	killed		the	dinosaur	S
morpheme	an	asteroid	kill	ed	the	dinosaur	s



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

BANK

HANK

METAFUNCTION

INSTANTIATION

Axis

DELICACY

Homework for Week 4

3) RANK: bigger units made up of smaller ones (2)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation

STRATIFICATION

STRATIFICA

METAFUNCTION
INSTANTIATION
INDIVIDUATION

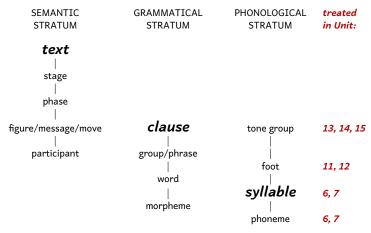
INDIVIDUATION Axis Delicacy

Homework for Week 4

The rank scale in phonology:

tone group	, ən æst ə rɔɪd kɪld ðə daɪn ə sɔ:z								
foot	_^ ən	æst ə rɔɪd		kıld ðə		daın ə sə:z			
syllable	ən	æst	ə	rɔɪd	kıld	ðə	daın	ə	sɔ:z
phoneme	ən	æst	Ф	r 21 d	kıld	ðə	d aı n	ə	s ɔ: z

3) RANK: the central unit at each stratum



... **syllables** in English are either strong or weak. ... syllables in English make up feet, and are made up of phonemes. ... syllables in English realise morphemes, or words, or 'Mood Blocks' - "I'll", "you're", "she's", "he'd" ...



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language MANIFESTATION

STRATIFICATION METAFLINCTION

INDIVIDUATION Axis

DELICACY

Homework for Week 4

3) RANK: a structure is a configuration of functional roles

A unit is "made up of" smaller units... but how?

syllable	streŋθs sɔ:z			
STRUCTURE)	Initial	Nucleus	Final	
phonemes	s	5:	z	
	str	е	ŋθs	

(bigger unit)

← functional roles

(smaller units)

treated in Unit:

е 6

7

or:

syllable	streŋθs sɔ:z			
(STRUCTURE)	Onset	Onset Rhyme		
(STRUCTURE)		Nucleus	Coda	
phonemes	s str	o:	z ŋθs	

(bigger unit)

← functional roles

(smaller units)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

INSTANTIATION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

4) Functional components of language and structural types (1)

METAFUNCTIONS: Functional components of language — internal reflections, within the architecture of language as a system, of the general functions language serves in society

Function of language	Examples	Structural type
ideational logical	—Chris said that Jane thought that Tom had claimed that Peter likes Mozart	linear ("string"-like)
experiential	—the dinosaurs died —an asteroid killed the dinosaurs —Peter likes Mozart —Sally's the cleverest girl in the class	nuclear ("particle"- like)
interpersonal	—he likes Mozart —he's, like, sooo totally into Mozart —I suspect he's possibly rather fond of Mozart, wouldn't you say?	prosodic ("field"-like)
textual	-an asteroid killed the dinosaurs -they were killed by an asteroid -they were killed by one -it was an asteroid that killed them	culminative ("wave"-like)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language MANIFESTATION STRATIFICATION

RANK METAFUNCTION

INSTANTIATION

Axis

DELICACY

Homework for Week 4

4) Functional components of language and structural types (2)



Function of language		Examples	Structural type	
logic) subordi coordin reflecting upon the	reports, nation, ation,	Chris said that Jane thought that Tom had claimed that Peter likes Mozart	linear ("string"-like)	The syllable and its environments Outline From matter to meaning: language in the evolutionary order Signs and semiotic
world process (experience) ticipant cumstal	s, cir-	Pete like Moz	nuclear ("particle"- like)	Systems Dimensions in the Systemic Functional theory of language MANIFESTATION STRATIFICATION
acting upon the wor interacting with the people in it: mood, modality, negatitude,	other	? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?	prosodic ("field"-like)	RANK METAFUNCTION INSTANTIATION INDIVIDUATION AXIS DELICACY Homework for Week 4
creating relevance: theme-rheme structure information structure	-	they were killed by an asteroid	culminative ("wave"-like)	Envoi

4) Functions of Language associated with pitch (dt. Tonhöhe) changes

φων

in English: intonation (see Units 13-15)

logical	yes	e.g. ways of joining clauses together
experiential	no	
interpersonal	yes	e.g. what you feel and want
textual	yes	e.g. what is 'given' and what is 'new'?

in Chinese: lexical tone

experiential	yes	e.g. distinguishing between different concepts
		媽 mā 'Mutter'
		蔴 má 'Hanf'
		馬 mǎ 'Pferd'
		罵 mà 'fluchen'

The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

STRATIFICATION

RANK

METAFUNCTION

Instantiation

Individuation

Axis

Homework for Week 4

IOIIICIIOI K IOI

Fnyoi



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

RANK METAFUNCTION

Instantiation

Individuation

DELICACY

Homework for Week 4

('Pünktlichkeit')	('Verabredung
culture	situation
language	text
(Partikel)	(noch! schon!
POTENTIAL —	ACTUAL
climate	weather



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

STRATIFICATION RANK

METAFUNCTION

Instantiation

INDIVIDUATION

DELICACY

Homework for Week 4

Envoi

('Pünktlichkeit')	('Verabredung
culture	situation
language	text
(Partikel)	(noch! schon!
POTENTIAL	ACTUAL
climate	weather

Today's weather is an actual instance of the climate.



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

STRATIFICATION RANK

METAFLINCTION

Instantiation

INDIVIDUATION

DELICACY

Homework for Week 4

('Pünktlichkeit')	('Verabredung'
culture	situation
language	text
(Partikel)	(noch! schon!)
POTENTIAL	 ACTUAL
climate	weather

- The climate is the potential for weather.
- Today's weather is an actual instance of the climate.



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

STRATIFICATION RANK

METAFUNCTION

Instantiation
Individuation

Axis

Homework for Week 4

Envoi

This text is an actual instance of the German language.

 ('Pünktlichkeit')
 ('Verabredung')

 culture
 situation

 language
 text

 (Partikel)
 (noch! schon!)

 POTENTIAL
 ACTUAL

 climate
 weather

- The climate is the potential for weather.
- Today's weather is an actual instance of the climate.

- φων
- The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

STRATIFICATION RANK

METAFLINCTION

Instantiation

Axis

DELICACY

Homework for Week 4

Envoi

- The German language is the potential for German text(s).
- This text is an actual instance of the German language.

 culture
 situation

 language
 text

 (Partikel)
 (noch! schon!)

 POTENTIAL
 ACTUAL

 climate
 weather

- The climate is the potential for weather.
- Today's weather is an actual instance of the climate.

φων

- This situation is an actual instance of German culture.
- The German language is the potential for German text(s).
- This text is an actual instance of the German language.

('Pünktlichkeit')	('Verabredung')
culture	situation
language	text
(Partikel)	(noch! schon!)
POTENTIAL —	ACTUAL
climate	weather

- The climate is the potential for weather.
- Today's weather is an actual instance of the climate.

The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

METAFLINCTION

Instantiation

Axis

DELICACY

Homework for Week 4

- German culture is the potential for German situations.
- This situation is an actual instance of German culture.
- The German language is the potential for German text(s).
- This text is an actual instance of the German language.

('Pünktlichkeit')	('Verabredung'
culture	situation
language	text
(Partikel)	(noch! schon!)
POTENTIAL ———	ACTUAL
climate	weather

- The climate is the potential for weather.
- Today's weather is an actual instance of the climate.



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

STRATIFICATION RANK

METAFUNCTION

Instantiation
Individuation

Axis

Homework for Week 4

Fnvoi

5) Instantiation: from potential (=system) to actual (=instance) (2) [potential] [actual] INSTANTIATION **CULTURE SITUATION** [signifié] R CULTURAL DOMAIN SITUATION TYPE Ε Α Α Ν REGISTER TEXT TYPE LANGUAGE **TEXT** [signifiant]

The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language MANIFESTATION

STRATIFICATION RANK

METAFLINCTION INSTANTIATION

INDIVIDUATION

Axis

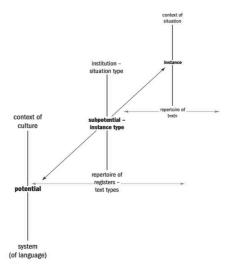
DELICACY Homework for Week 4

Envoi

[intermediate]

WFATHFR [actual]

6) INDIVIDUATION: RESERVOIR (collective potential of 'language "emphuse') vs. REPETOIRE (individual potential of the 'language user'))



Halliday & Matthiessen 2014: 28; cited in Yu 2023:3280 / fair use

The Cline of Instantiation, also showing Individuation



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

6) Individuation: Reservoir (collective potential of 'language use') vs. REPETOIRE (individual potential of the 'language user')





Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

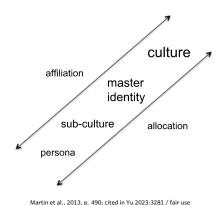
INDIVIDUATION

Axis

DELICACY

Homework for Week 4

Envoi



The Cline of Individuation

7) Axis: CHOICE (paradigmatic) vs. CHAIN (syntagmatic)

learn

learn it

it

must

should

may

should

and

and

you

Ι

you

she



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

Manifestation Stratification

RANK

METAFUNCTION

Instantiation

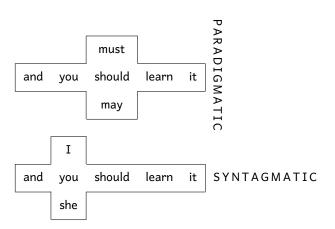
Individuation

Axis

DELICACY

Homework for Week 4

7) Axis: Choice (paradigmatic) vs. Chain (syntagmatic)





The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION INSTANTIATION

INDIVIDUATION

Axis DELICACY

Homework for Week 4

7) Axis: there is choice and chain in phonology, too

ð S C \mathbf{z} 3 v m 7. n η h m n w

The syllable /sɔ:z/ exists in English, as do wo:n wo:l lozz lozn .../



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFLINCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

7) Syntagmatic boundaries — knocking edges of building blocks

The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language MANIFESTATION

STRATIFICATION

RANK METAFLINCTION

INDIVIDUATION

Axis

DELICACY

Homework for Week 4

Envoi

When units (phonemes, syllables, ...) are put together, their edges rub against each other:

phonology:	k	I	l	d	ð	ə	Units 6, 7
phonetics:	k^{h}	I	ł	d	ð	ə	Units 8, 9
	ķh	I	w	ď	ð	ə	Unit 10

Or should we abandon "building blocks" (units) altogether, and just have "overlapping waves" in our theory?

8) Delicacy: 'broad' vs. 'narrow' transcriptions

φων

The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION

Rank

METAFUNCTION

Individuation

Axis

AXIS

DELICACY

Homework for Week 4

Envoi

A 'broad' (less delicate) transcription, making only the minimum necessary number of distinctions:

[Jed]

A 'narrow' (more delicate) transcription, making as many distinctions as possible:

 $[\underline{\mathbf{u}}^{\mathbf{w}}\mathbf{e}\mathbf{d}]$

Homework for Week 4



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFUNCTION

Instantiation

Individuation

Axis

DELICACY

Homework for Week 4

Envoi

 The homework to be completed before week 4 is: Learn the adjectives corresponding to the Places of Articulation for consonants:

https://commons.wikimedia.org/wiki/File:
Places_of_articulation.svg

Envoi (1)

φων

The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

Rank

METAFUNCTION

Instantiation

Individuation

Axis

DELICACY

.iono i

Homework for Week 4

Envoi

```
How can you tell that this is French just by listening to it?
```

Un petit d'un petit /
S'étonne aux Halles /
Un petit d'un petit /
À degrés te fallent /
Indolent qui ne sort cesse /
Indolent qui ne se mène /
Qu'importe un petit /
Tout gai de Reguennes?

from the mediaeval manuscript "Mots d'heures: gousses, rames".

Envoi (2)



The syllable and its environments

Outline

From matter to meaning: language in the evolutionary order

Signs and semiotic systems

Dimensions in the Systemic Functional theory of language

MANIFESTATION STRATIFICATION

RANK

METAFLINCTION

INDIVIDUATION

Axis DELICACY

Homework for Week 4

Now compare this strangely similar English poem. How can you tell it is English, just by listening to it? (What about the rhythm?)

Humpty Dumpty / sat on a wall / Humpty Dumpty / had a great fall / And all the King's horses / and all the King's men / Couldn't put Humpty / together again.

source: the traditional collection "Mother Goose Rhymes"