

Informatikabiture Bayern

Modellierung und Programmierung

11. Jahrgangsstufe

|                          |         | 2024    |         | 2023  |        | 2022   |        | 2021  |         | 2020   |       |      |      |   |
|--------------------------|---------|---------|---------|-------|--------|--------|--------|-------|---------|--------|-------|------|------|---|
|                          |         | I       | II      | I     | II     | I      | II     | I     | II      | I      | II    |      |      |   |
| Warteschlange – Methoden | 0,65%   |         |         |       |        |        |        |       |         |        |       |      |      |   |
|                          | 0,65%   |         |         |       |        |        |        |       |         |        |       |      |      |   |
| Feld-Implementierung     | 2,31%   |         |         |       |        |        |        |       |         |        |       |      |      |   |
| Feld-Sonstiges           | 2,13%   | 1b      | 2 2a    | 2     |        | 1b     | 4 2a   | 5 1b  | 7 1c    | 2 1a   | 5     | 2 1b |      |   |
|                          | 4,44%   |         |         |       |        |        |        |       |         |        |       |      |      |   |
| Liste-Objektdiagramm     | 3,80%   | 1c      | 6 2d    | 5     | 1a     | 4 1c   | 5      |       |         |        |       | 2c   | 7    |   |
| Liste-Klassendiagramm    | 2,08%   |         |         |       |        |        |        |       |         |        |       | 2b   | 5 2b | 4 |
| Liste-Implementierung    | 17,55%  | 1d      | 16 2c   | 8 3ad | 19 1cd | 13 1d  | 10 2b  | 16 2a | 18 1d   | 13 2c  | 20 2e |      | 7    |   |
| Liste-Sequenzdiagramm    | 3,52%   |         |         |       | 1b     | 10     | 2c     | 8 2b  | 9       |        |       | 2d   | 5    |   |
| Liste-Sonstiges          | 2,27%   | 1e      | 9 2b    | 3 3bc | 6      | 1ef    | 5      |       |         |        | 2a    | 3    |      |   |
|                          | 29,21%  |         |         |       |        |        |        |       |         |        |       |      |      |   |
| Baum-Objektdiagramm      | 3,75%   | 2a      | 3 4a    | 5 2a  | 5      |        |        | 3c    | 3       |        | 3a    | 4 3a | 5    |   |
| BAUM-Klassendiagramm     | 0,42%   |         |         |       |        |        |        |       |         |        |       |      |      |   |
| Baum-Ausgabe             | 3,29%   | 2d      | 4 4d    | 4 2f  | 8      | 2c     | 5 4a   | 6 3d  | 2 4b    | 7      |       | 3b   | 4    |   |
| Baum-Implementierung     | 5,69%   |         | 4c      | 11 2d | 6 2d   | 11     | 4d     | 8 3b  | 8       |        |       | 3f   | 10   |   |
| Baum Berechnung          | 2,82%   | 2bc     | 8 4b    | 3 2b  | 4 2c   | 5 2b   | 6 4c   | 4     | 4d      | 3 3b   | 4 3c  |      | 2    |   |
| Baum Sonstiges           | 5,60%   | 2e      | 8       | 2c    | 4 2ab  | 6 2ade | 13 4b  | 3 3a  | 3 4c    | 2 3c   | 5 3de |      | 5    |   |
|                          | 21,57%  |         |         |       |        |        |        |       |         |        |       |      |      |   |
| Graphen Adjazenzmatrix   | 4,86%   |         |         | 4b    | 4 3ac  | 9 3b   | 6 3a   | 3     | 2a      | 8 4a   | 5 4a  | 6    |      |   |
| Graph-Objektdiagramm     | 2,82%   | 3a      | 5 5a    | 4     |        | 3b     | 3b     | 3     |         | 4b     | 4     |      |      |   |
| Graph-Tiefensuche        | 4,77%   |         |         |       | 3d     | 5      | 3d     | 9     | 2d      | 10     |       |      |      |   |
| Graph-Implementierung    | 8,19%   | 3bc     | 14 5de  | 13 4c | 5 3ef  | 12 3c  | 12     | 4c    | 8 2b    | 5 4c   | 8 4c  | 10   |      |   |
| Graph-Sonstiges          | 4,12%   |         | 5b      | 2 4ad | 11 3b  | 5 3a   | 4 3c   | 2 4ab | 13 2c   | 8 4d   | 2 4b  | 5    |      |   |
|                          | 24,77%  |         |         |       |        |        |        |       |         |        |       |      |      |   |
| Softwaretechnik          | 3,33%   |         | 3a      | 4     |        |        |        |       |         |        |       | 1    | 4    |   |
|                          | 3,33%   |         |         |       |        |        |        |       |         |        |       |      |      |   |
| Grundwissen 10.Klasse    | 14,63%  | 1a      | 5 13b5c | 16 1  | 6      | 1a     | 10 1ab | 13 1a | 7 1b3ab | 14 1ac | 18 2a | 6    |      |   |
| Grundwissen 9.Klasse SQL | 1,39%   |         |         | 2e    | 2      |        |        |       | 4a      | 3      |       |      |      |   |
|                          | 16,02%  | 2160    | 80      | 80    | 80     | 80     | 80     | 80    | 80      | 80     | 80    | 80   |      |   |
|                          | 100,00% | 100,00% |         |       |        |        |        |       |         |        |       |      |      |   |

Auswertung bis 2015: M. Kutschenreuter; ab 2016: Informatikseminar/Reinold

Informatikabiture Bayern

Theoretische und technische Informatik

12. Jahrgangsstufe

|                                      |         | 2024    |       |    | 2023  |       |    | 2022  |           |    | 2021  |      |      | 2020  |      |    |
|--------------------------------------|---------|---------|-------|----|-------|-------|----|-------|-----------|----|-------|------|------|-------|------|----|
|                                      |         | III     | IV    |    | III   | IV    |    | III   | IV        |    | III   | IV   |      | III   | IV   |    |
| Zeichenkette von DEA prüfen lassen   | 2,14%   |         |       |    |       |       |    |       |           |    |       |      |      |       |      |    |
| Endlichen Automaten erstellen        | 14,02%  | 1b      | 7 1b  |    | 7 1b  | 7 1c  |    | 5 1d  | 4 1b      |    | 6 1a  | 6 1a |      | 6 3b  | 6 1c | 5  |
| Endlichen Automaten Implementierung  | 6,43%   |         |       |    | 1c    | 8     |    |       |           |    |       |      |      |       |      |    |
| Produktionen als Syntaxdiagramm      | 2,32%   |         |       |    |       | 1a    |    | 2 1c  | 4 1a      |    | 3 1c  | 5    |      |       |      |    |
| Produktionen textuell (EBNF)         | 7,14%   | 1a      | 4 1a  |    | 6 1a  | 5 1b  |    | 7 1a  | 6         |    | 1b    | 4 1b |      | 3     | 1a   | 4  |
| Grammatik                            | 3,75%   |         |       |    |       |       |    |       |           |    |       |      |      | 3a    | 5    |    |
| Sonstiges                            | 2,95%   |         |       |    |       | 1d    |    | 3 1b  | 2         |    |       | 1c   |      | 4 3c  | 2 1b | 4  |
| 38,75%                               |         |         |       |    |       |       |    |       |           |    |       |      |      |       |      |    |
| nebenläufige Prozesse                | 2,05%   |         |       |    | 2b    | 3     |    |       |           |    |       | 2b   |      | 4 2a  | 4    |    |
| Sequenzdiagramm zu nebenl. Prozessen | 2,95%   |         |       |    | 2a    | 4     |    |       |           |    |       |      |      |       | 2a   | 4  |
| Verklemmung                          | 5,98%   | 3       | 4     | 4  | 4     |       |    | 2a    | 3         |    | 2a    | 3 3a | 3 2c | 4 2c  | 5    |    |
| Monitor oder Semaphor                | 3,13%   |         |       |    |       | 2b    |    | 2     |           |    | 3b    | 3    |      | 2b    | 3 2b | 5  |
| Monitor Implementierung              | 0,63%   |         |       |    |       |       |    |       |           |    |       |      |      |       |      |    |
| 14,73%                               |         |         |       |    |       |       |    |       |           |    |       |      |      |       |      |    |
| Protokollschichten                   | 3,30%   |         | 2ab   |    | 6     |       |    | 2ab   | 6         |    | 2ab   | 8    |      |       |      |    |
| Topologie                            | 0,80%   | 2ab     | 4     |    |       |       |    |       |           |    |       | 2a   |      | 5     |      |    |
| 4,11%                                |         |         |       |    |       |       |    |       |           |    |       |      |      |       |      |    |
| Von Neumann Architektur              | 0,71%   |         |       |    |       |       |    |       |           |    |       |      |      |       |      |    |
| 0,71%                                |         |         |       |    |       |       |    |       |           |    |       |      |      |       |      |    |
| Assemblerprogramm verstehen          | 7,05%   | 4cd     | 6     |    |       |       |    |       | 3a        |    | 6 4a  | 3 3a |      | 4     | 3b   | 4  |
| Assembler in Struktogramm            | 1,96%   |         |       |    |       |       |    |       | 3b        |    | 6     |      |      |       | 3a   | 3  |
| Assemblerprogramm schreiben          | 17,14%  | 4b      | 7 3c  |    | 7 4   | 8 3e  |    | 8 3a  | 6 3c      |    | 5 4b  | 4 3c |      | 7 3a  | 8 3c | 8  |
| Befehlszyklus                        | 0,71%   |         |       |    |       |       |    |       |           |    |       |      |      |       |      |    |
| 26,88%                               |         |         |       |    |       |       |    |       |           |    |       |      |      |       |      |    |
| Laufzeitverhalten                    | 9,73%   | 4e      | 4 3ab |    | 10 3a | 2 3ac |    | 5 4ab | 10 2b3def |    | 11 2c | 4 3b |      | 3 3bc | 7    |    |
| Verschlüsselung                      | 1,16%   |         |       |    | 3b    | 3     |    |       |           |    |       |      |      |       |      |    |
| 10,89%                               |         |         |       |    |       |       |    |       |           |    |       |      |      |       |      |    |
| Grundwissen                          | 3,93%   | 4a      | 4     |    |       | 3bd   |    | 5 3b  | 2         |    |       |      |      |       | 2c   | 3  |
| 3,93%                                |         |         |       |    |       |       |    |       |           |    |       |      |      |       |      |    |
|                                      |         | 1120    | 40    | 40 | 40    | 40    | 40 | 40    | 40        | 40 | 40    | 40   | 40   | 40    | 40   | 40 |
|                                      | 100,00% | 100,00% |       |    |       |       |    |       |           |    |       |      |      |       |      |    |

Auswertung bis 2015: M. Kutschenreuter; ab 2016: Informatikseminar/Reinold







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| Theoretische und technische Informatik |                                      | 2013    |       | 2012  |         | 2011    |    | Theoretische und technische Informatik |                                      |                         |    |                                     |                             |
|--|--------------------------------------|---------|-------|-------|---------|---------|----|--|--------------------------------------|-------------------------|----|-------------------------------------|-----------------------------|
| 12. Jahrgangsstufe                     |                                      | III     | IV    | III   | IV      | III     | IV | 12. Jahrgangsstufe                     |                                      |                         |    |                                     |                             |
| IV4ac                                  | 3 Zeichenkette von DEA prüfen lassen | III1a2k | 5     |       | IV1a    | 3 III3b | 3  | IV1a                                   | 2 Zeichenkette von DEA prüfen lassen |                         |    |                                     |                             |
| IV4d                                   | 6 Endlichen Automaten erstellen      | III2a   | 8     | IV1   | 11      | III1b   | 5  | IV1c                                   | 5 Endlichen Automaten erstellen      |                         |    |                                     |                             |
|  | Endlichen Automaten Implementierung  |         |       | IV2ab | 11      |         |    | IV1b                                   | 9                                    | III3c                   | 10 | Endlichen Automaten Implementierung |                             |
| IV4b                                   | 4 Produktionen als Syntaxdiagramm    | III1b   | 3     |       |         |         |    |  | Produktionen als Syntaxdiagramm      |                         |    |                                     |                             |
| II2c                                   | 3 Produktionen textuell (meist EBNF) | III1b   | 3     |       | III1a   | 4       |    | III2                                   | 8                                    | IV1b                    | 4  | Produktionen textuell (meist EBNF)  |                             |
| IV2a                                   | 3 Grammatik                          |         |       |       |         |         |    |  | Grammatik                            |                         |    |                                     |                             |
| IV2b                                   | 1 Sonstiges                          |         |       |       |         |         |    |  | Sonstiges                            |                         |    |                                     |                             |
|  |                                      |         |       |       |         |         |    |  |                                      |                         |    |                                     |                             |
| IV3ab                                  | nebenläufige Prozesse                |         | IV4ab | 6     | III2a   | 3       |    |  | nebenläufige Prozesse                |                         |    |                                     |                             |
|  | Sequenzdiagramm zu nebenl. Prozessen |         | IV4b  | 5     | III2b   | 5       |    |  | Sequenzdiagramm zu nebenl. Prozessen |                         |    |                                     |                             |
|  | 7 Verklemmung                        |         |       |       |         |         |    |  | 5 Verklemmung                        |                         |    |                                     |                             |
|  | Monitor oder Semaphor                |         |       |       | III2c   | 3       |    | IV3a                                   | 2                                    | Monitor oder Semaphor   |    |                                     |                             |
|  | Monitor Implementierung              |         |       |       | III2d   | 7       |    | IV3b                                   | 2                                    | Monitor Implementierung |    |                                     |                             |
|  |                                      |         |       |       |         |         |    |  |                                      |                         |    |                                     |                             |
|  | Protokollschichten                   |         |       |       |         | IV3ab   | 10 |  | Protokollschichten                   |                         |    |                                     |                             |
|  |                                      |         |       |       |         |         |    |  |                                      |                         |    |                                     |                             |
|  | Von Neumann Architektur              |         |       |       |         | IV2     | 4  |  | Von Neumann Architektur              |                         |    |                                     |                             |
|  |                                      |         |       |       |         |         |    |  |                                      |                         |    |                                     |                             |
| IV1a                                   | 4 Assemblerprogramm verstehen        | III4a   | 5     |       | III3abc | 5       |    | III1a                                  | 3                                    | IV2a                    | 5  | Assemblerprogramm verstehen         |                             |
|  | Assembler in Struktogramm            |         |       |       |         |         |    |  | IV2b                                 | 4                       | 4  | Assembler in Struktogramm           |                             |
| IV1b                                   | 9 Assemblerprogramm schreiben        | III4b   | 6     | IV3   | 7       | III3d   | 8  | IV4b                                   | 6                                    | III1bc                  | 10 | 13                                  | Assemblerprogramm schreiben |
|  | Befehlszyklus                        |         |       |       |         |         |    |  | IV2c                                 | 10                      | 10 | Befehlszyklus                       |                             |
|  |                                      |         |       |       |         |         |    |  |                                      |                         |    |                                     |                             |
|  | Laufzeitverhalten                    | III3ab  | 10    |       |         |         |    |  |                                      |                         |    | Laufzeitverhalten                   |                             |
|  | Verschlüsselung                      |         |       |       |         |         |    |  |                                      |                         |    | Verschlüsselung                     |                             |
|  |                                      |         |       |       |         |         |    |  |                                      |                         |    |                                     |                             |
|  | Grundwissen                          |         |       |       |         | IV4a    | 3  |  |                                      |                         |    | Grundwissen                         |                             |
|  |                                      |         |       |       |         |         |    |  |                                      |                         |    |                                     |                             |
| 40                                     |                                      |         | 40    | 40    |         | 40      | 40 |  | 40                                   | 40                      |    | 40                                  |                             |