

Faculty of Economics and Business Administration

Bachelor of Science in Public Administration and Management

Language of instruction: Dutch

Programme version 12

## 1 General Courses 150 credits

| Nr | Course                                                                                                                         | CRDT | Ref | MT1 | Session | Study |
|----|--------------------------------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | F710342 Introduction to Microeconomics<br><i>Stijn Goeminne -- Department of Economics</i>                                     | 3    |     | 1   | A:1     | 90    |
| 2  | F710343 Introduction to Macroeconomics<br><i>Bart Defloor -- Department of Economics</i>                                       | 3    |     | 1   | A:2     | 90    |
| 3  | F710340 Public Administration. An Introduction<br><i>Bram Verschuere -- Department of Public Governance and Management</i>     | 6    |     | 1   | A:2     | 180   |
| 4  | F700002 Public Policy [en]<br><i>Bishoy Zaki -- Department of Public Governance and Management</i>                             | 6    |     | 1   | B:1     | 180   |
| 5  | F710378 Introduction to Management<br><i>Sebastian Desmidt -- Department of Marketing, Innovation and Organisation</i>         | 5    |     | 1   | B:1     | 150   |
| 6  | F710417 Introduction to Law<br><i>Johan Vandendriessche -- Department of Public Governance and Management</i>                  | 5    |     | 1   | B:1     | 150   |
| 7  | K000095 Introduction to Political Sciences<br><i>Carl Devos -- Department of Political Sciences</i>                            | 6    |     | 1   | A:1     | 180   |
| 8  | F710345 Organisation and ICT<br><i>Len Lemeire -- Department of Business Informatics and Operations Management</i>             | 5    |     | 1   | A:2     | 150   |
| 9  | F710414 People and Society<br><i>Adelien Decramer -- Department of Marketing, Innovation and Organisation</i>                  | 6    |     | 1   | A:2     | 180   |
| 10 | F710362 Introduction Research Methods<br><i>Stijn Baert -- Department of Economics</i>                                         | 5    |     | 1   | A:2     | 150   |
| 11 | A000256 History of Belgium<br><i>Laura Nys -- Department of History</i>                                                        | 4    |     | 1   | B:2     | 120   |
| 12 | F710347 Introduction to Public Economics<br><i>Bart Defloor -- Department of Economics</i>                                     | 3    |     | 2   | A:1     | 90    |
| 13 | F710348 Introduction to Accounting in the Not-for-Profit and Public Sector<br><i>Stijn Goeminne -- Department of Economics</i> | 5    |     | 2   | B:2     | 150   |
| 14 | F001014 Public Policy Analysis<br><i>Bram Verschuere -- Department of Public Governance and Management</i>                     | 5    |     | 2   | B:1     | 150   |
| 15 | F710409 State Government<br><i>Nina De Smedt -- Department of Political Sciences</i>                                           | 5    |     | 2   | A:2     | 150   |
| 16 | F710350 Public Management [en]<br><i>Ben Suykens -- Department of Public Governance and Management</i>                         | 5    |     | 2   | A:2     | 150   |
| 17 | F710411 Constitutional Law for Public Administration<br><i>Daan Bijmens -- Department of Public Governance and Management</i>  | 4    |     | 2   | A:1     | 120   |
| 18 | F710381 Private Law<br><i>Bertel De Groote -- Department of Accounting, Corporate Finance and Taxation</i>                     | 4    |     | 2   | A:2     | 120   |
| 19 | F710418 Introduction Administrative Law<br><i>Brecht Warnez -- Department of Public Governance and Management</i>              | 3    |     | 2   | B:2     | 90    |
| 20 | F710382 European Union Politics and Policy [en]<br><i>Claire Dupont -- Department of Public Governance and Management</i>      | 3    |     | 2   | A:1     | 90    |

|    |         |                                                                                                                                          |    |   |     |     |
|----|---------|------------------------------------------------------------------------------------------------------------------------------------------|----|---|-----|-----|
| 21 | F710352 | Society and Politics: Practice<br><i>Bram Wauters -- Department of Political Sciences</i>                                                | 5  | 2 | A:2 | 150 |
| 22 | F710353 | Research Methods Quantitative<br><i>Carine Smolders -- Department of Public Governance and Management</i>                                | 5  | 2 | A:1 | 150 |
| 23 | F710361 | Socio-Economic Policy<br><i>Luc Van Ootegem -- Department of Economics</i>                                                               | 5  | 3 | A:1 | 150 |
| 24 | F710364 | Public Finance<br><i>Carine Smolders -- Department of Public Governance and Management</i>                                               | 5  | 3 | A:1 | 150 |
| 25 | F710383 | European Integration and Multi-Level Governance [en]<br><i>Claire Dupont -- Department of Public Governance and Management</i>           | 5  | 3 | A:1 | 150 |
| 26 | F710359 | Research Methods Qualitative<br><i>Kaat De Pourcq -- Department of Marketing, Innovation and Organisation</i>                            | 5  | 3 | A:2 | 150 |
| 27 | F700061 | Internship, Reporting and Communication Practice<br><i>Véronique Vanderhoudelingen -- Department of Public Governance and Management</i> | 12 | 3 | B:J | 360 |
| 28 | F001089 | Comparative Public Administration and Management [en]<br><i>Léon Acar -- Department of Public Governance and Management</i>              | 5  | 3 | A:1 | 150 |

## 1.1 Language courses

12 credits

Subscribe to 12 credit units from 2 modules from the following list. Subject to approval by the faculty.

Of the 12 credits, 6 credits are taken in year 1 and 6 credits are taken in year 2.

The module 'Dutch' is only for non-Dutch speaking students. These students must first submit an application to the Faculty Students Administration.

### 1.1.1 German

| Nr | Course                                                                                                                | CRDT | Ref | MT1 | Session | Study |
|----|-----------------------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | F710260 German – Level I [nl, de]<br><i>Petra Campe -- Department of Translation, Interpreting and Communication</i>  | 3    |     | 1   | A:J     | 90    |
| 2  | F710261 German – Level II [nl, de]<br><i>Petra Campe -- Department of Translation, Interpreting and Communication</i> | 3    |     | 2   | A:J     | 90    |

### 1.1.2 English

| Nr | Course                                                                                                                     | CRDT | Ref | MT1 | Session | Study |
|----|----------------------------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | F710263 English – Level I [en, nl]<br><i>Vanessa De Wilde -- Department of Translation, Interpreting and Communication</i> | 3    |     | 1   | A:J     | 90    |
| 2  | F710264 English – Level II [en, nl]<br><i>Sofie Hondeghe -- Department of Translation, Interpreting and Communication</i>  | 3    |     | 2   | A:J     | 90    |

### 1.1.3 French

| Nr | Course                                                                                                                    | CRDT | Ref | MT1 | Session | Study |
|----|---------------------------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | F710266 French – Level I [nl, fr]<br><i>Nadja De Craene -- Department of Translation, Interpreting and Communication</i>  | 3    |     | 1   | A:J     | 90    |
| 2  | F710267 French – Level II [nl, fr]<br><i>Nadja De Craene -- Department of Translation, Interpreting and Communication</i> | 3    |     | 2   | A:J     | 90    |

### 1.1.4 Dutch

The module 'Dutch' is only for non-Dutch speaking students.

| Nr | Course                                                                                                | CRDT | Ref | MT1 | Session | Study |
|----|-------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | F001088 Economic Dutch for Non-Native Speakers I<br><i>Geert Jacobs -- Department of Linguistics</i>  | 3    |     | 1   | A:J     | 90    |
| 2  | F000228 Economic Dutch for Non Native Speakers II<br><i>Geert Jacobs -- Department of Linguistics</i> | 3    |     | 2   | A:J     | 90    |

## 2 Elective Courses

Subscribe to: 8 credit units (students with the Public Administration and Management Track) or 7 credit units (students with the Educational Track). Subject to approval by the faculty.

| Nr | Course                                                                                                                                 | CRDT | Ref | MT1 | Session | Study |
|----|----------------------------------------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | F710161 European Enterprise Policy [en]<br><i>Rudy Aernoudt -- Department of Accounting, Corporate Finance and Taxation</i>            | 3    |     | 2   | A:1     | 90    |
| 2  | F710281 Social Law<br><i>Sabine Vanoverbeke -- Department of Public Governance and Management</i>                                      | 3    |     | 3   | A:1     | 90    |
| 3  | F001024 Emerging Technologies for Business [en]<br><i>Amy Van Looy -- Department of Business Informatics and Operations Management</i> | 3    |     | 2   | B:2     | 90    |

|    |         |                                                                                                                                                   |   |     |          |          |     |
|----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------|---|-----|----------|----------|-----|
| 4  | F710377 | Business Intelligence<br><i>Len Lemeire -- Department of Business Informatics and Operations Management</i>                                       | 4 | 2   | A:2      | 120      |     |
| 5  | F710295 | International Portfolio I [en, nl]<br><i>Elsy Verhofstadt -- Department of Economics</i>                                                          | 3 | 3   | B:2, A:1 | 90       |     |
| 6  | F710296 | International Portfolio II [en, nl]<br><i>Elsy Verhofstadt -- Department of Economics</i>                                                         | 3 | 3   | A:1, B:2 | 90       |     |
| 7  | F710260 | German – Level I [nl, de]<br><i>Petra Campe -- Department of Translation, Interpreting and Communication</i>                                      | 3 | 2   | A:J      | 90       |     |
| 8  | F710261 | German – Level II [nl, de]<br><i>Petra Campe -- Department of Translation, Interpreting and Communication</i>                                     | 3 | 2   | A:J      | 90       |     |
| 9  | F710263 | English – Level I [en, nl]<br><i>Vanessa De Wilde -- Department of Translation, Interpreting and Communication</i>                                | 3 | 2   | A:J      | 90       |     |
| 10 | F710264 | English – Level II [en, nl]<br><i>Sofie Hondegheem -- Department of Translation, Interpreting and Communication</i>                               | 3 | 2   | A:J      | 90       |     |
| 11 | F710266 | French – Level I [nl, fr]<br><i>Nadja De Craene -- Department of Translation, Interpreting and Communication</i>                                  | 3 | 2   | A:J      | 90       |     |
| 12 | F710267 | French – Level II [nl, fr]<br><i>Nadja De Craene -- Department of Translation, Interpreting and Communication</i>                                 | 3 | 2   | A:J      | 90       |     |
| 13 | F710172 | ICT Law<br><i>Johan Vandendriessche -- Department of Public Governance and Management</i>                                                         | 3 | 3   | A:1      | 90       |     |
| 14 | F710372 | Governance of Security [en]<br><i>Marleen Easton -- Department of Public Governance and Management</i>                                            | 5 | 3   | A:1      | 150      |     |
| 15 | F000820 | Change Management [en]<br><i>Marleen Easton -- Department of Public Governance and Management</i>                                                 | 5 | 3   | A:2      | 150      |     |
| 16 | F000902 | Introduction to Programming [en, nl]<br><i>Frederik Gailly -- Department of Business Informatics and Operations Management</i>                    | 5 | 2   | A:2      | 150      |     |
| 17 | C003858 | Social and Economic Geography<br><i>Caroline Beckers -- Department of Geography</i>                                                               | 5 | 2   | A:1      | 140      |     |
| 18 | K001175 | Media Economy and Media Structures<br><i>Tom Evens -- Department of Communication Sciences</i>                                                    | 5 | 2   | A:2      | 150      |     |
| 19 | F001021 | Basic Entrepreneurship<br><i>Evy Van Lancker -- Department of Marketing, Innovation and Organisation</i>                                          | 3 | UKV | 3        | A:1      | 90  |
| 20 | H001977 | Coaching and Diversity<br><i>Elisabeth De Schauwer -- Department of Educational Sciences</i>                                                      | 3 | UKV | 3        | A:J      | 90  |
| 21 | D002354 | Movement and Sports: Now and Later<br><i>Veerle Segers -- Department of Movement and Sports Sciences</i>                                          | 3 | UKV | 2        | A:2      | 90  |
| 22 | A003001 | Academic English [en]<br><i>Geert Jacobs -- Department of Linguistics</i>                                                                         | 3 | UKV | 2        | B:1, A:2 | 90  |
| 23 | A003107 | Advanced Academic English [en]<br><i>Geert Jacobs -- Department of Linguistics</i>                                                                | 3 | UKV | 3        | A:1, B:2 | 90  |
| 24 | B001581 | Human Rights: Multidisciplinary Perspectives [en]<br><i>Eva Brems -- Department of European, Public and International Law</i>                     | 5 | UKV | 3        | A:2      | 150 |
| 25 | H002395 | Migration and Society: an Interdisciplinary Introduction [en]<br><i>Robin Vandevoordt -- Department of Educational Sciences</i>                   | 5 | UKV | 2        | A:2      | 150 |
| 26 | A005503 | Context and Nuance. A Critical Reflection on Current Topics<br><i>Katrijn Maryns -- Department of Translation, Interpreting and Communication</i> | 6 | UKV | 2        | A:1      | 180 |
| 27 | E099210 | Essentials of Artificial Intelligence: a Beginner's Guide [en]<br><i>Joni Dambre -- Department of Electronics and Information Systems</i>         | 3 | UKV | 2        | A:1      | 90  |
| 28 | K001535 | International Relations Theory [en]<br><i>Dries Lesage -- Department of Political Sciences</i>                                                    | 5 | 2   | A:2      | 150      |     |
| 29 | F710366 | Seminar on Security Policy<br><i>Marleen Easton -- Department of Public Governance and Management</i>                                             | 5 | 2   | A:1      | 150      |     |
| 30 | F000919 | Economics of Migration [en]<br><i>Ilse Ruysen -- Department of Economics</i>                                                                      | 6 | 2   | A:2      | 180      |     |
| 31 | E084730 | Circular Economy and Regenerative Welfare<br><i>Jonas Van der Slycken -- Department of Civil Engineering</i>                                      | 6 | 2   | A:2      | 180      |     |
| 32 | F000980 | Contemporary Economic Challenges<br><i>Freddy Hevlen -- Department of Economics</i>                                                               | 3 | 2   |          | 90       |     |

### 3 Elective Courses

Subscribe to 1 track from the following list.  
Students can enroll directly in the educational Master's program after following the education track.

#### 3.1 Public Administration and Management Track

22 credits

| Nr | Course                                                                                                           | CRDT | Ref | MT1 | Session | Study |
|----|------------------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | F710363 Principles of Issuing Rules<br><i>Jonas Riemslaght -- Department of Public Governance and Management</i> | 3    |     | 3   | B:1     | 90    |
| 2  | F710419 Administrative Contention<br><i>Wouter De Cock -- Department of Public Governance and Management</i>     | 3    |     | 3   | A:1     | 90    |
| 3  | F710412 Local Government<br><i>Joris Voets -- Department of Public Governance and Management</i>                 | 5    |     | 3   | A:2     | 150   |
| 4  | F710413 Nonprofit Management<br><i>Ben Suykens -- Department of Public Governance and Management</i>             | 5    |     | 3   | A:2     | 150   |

##### 3.1.1

Subscribe to 6 credit units from the following list. Subject to approval by the faculty.

| Nr | Course                                                                                                                                 | CRDT | Ref | MT1 | Session  | Study |
|----|----------------------------------------------------------------------------------------------------------------------------------------|------|-----|-----|----------|-------|
| 1  | F710161 European Enterprise Policy [en]<br><i>Rudy Aernoudt -- Department of Accounting, Corporate Finance and Taxation</i>            | 3    |     | 2   | A:1      | 90    |
| 2  | F710281 Social Law<br><i>Sabine Vanoverbeke -- Department of Public Governance and Management</i>                                      | 3    |     | 3   | A:1      | 90    |
| 3  | F001024 Emerging Technologies for Business [en]<br><i>Amy Van Looy -- Department of Business Informatics and Operations Management</i> | 3    |     | 2   | B:2      | 90    |
| 4  | F710377 Business Intelligence<br><i>Len Lemeire -- Department of Business Informatics and Operations Management</i>                    | 4    |     | 2   | A:2      | 120   |
| 5  | F710295 International Portfolio I [en, nl]<br><i>Elsy Verhofstadt -- Department of Economics</i>                                       | 3    |     | 3   | B:2, A:1 | 90    |
| 6  | F710296 International Portfolio II [en, nl]<br><i>Elsy Verhofstadt -- Department of Economics</i>                                      | 3    |     | 3   | A:1, B:2 | 90    |
| 7  | F710260 German – Level I [nl, de]<br><i>Petra Campe -- Department of Translation, Interpreting and Communication</i>                   | 3    |     | 2   | A:J      | 90    |
| 8  | F710261 German – Level II [nl, de]<br><i>Petra Campe -- Department of Translation, Interpreting and Communication</i>                  | 3    |     | 2   | A:J      | 90    |
| 9  | F710263 English – Level I [en, nl]<br><i>Vanessa De Wilde -- Department of Translation, Interpreting and Communication</i>             | 3    |     | 2   | A:J      | 90    |
| 10 | F710264 English – Level II [en, nl]<br><i>Sofie Hondeghem -- Department of Translation, Interpreting and Communication</i>             | 3    |     | 2   | A:J      | 90    |
| 11 | F710266 French – Level I [nl, fr]<br><i>Nadja De Craene -- Department of Translation, Interpreting and Communication</i>               | 3    |     | 2   | A:J      | 90    |
| 12 | F710267 French – Level II [nl, fr]<br><i>Nadja De Craene -- Department of Translation, Interpreting and Communication</i>              | 3    |     | 2   | A:J      | 90    |
| 13 | F710172 ICT Law<br><i>Johan Vandendriessche -- Department of Public Governance and Management</i>                                      | 3    |     | 3   | A:1      | 90    |
| 14 | F710372 Governance of Security [en]<br><i>Marleen Easton -- Department of Public Governance and Management</i>                         | 5    |     | 3   | A:1      | 150   |
| 15 | F000820 Change Management [en]<br><i>Marleen Easton -- Department of Public Governance and Management</i>                              | 5    |     | 3   | A:2      | 150   |
| 16 | F000902 Introduction to Programming [en, nl]<br><i>Frederik Gailly -- Department of Business Informatics and Operations Management</i> | 5    |     | 2   | A:2      | 150   |
| 17 | C003858 Social and Economic Geography<br><i>Caroline Beckers -- Department of Geography</i>                                            | 5    |     | 2   | A:1      | 140   |
| 18 | K001175 Media Economy and Media Structures<br><i>Tom Evens -- Department of Communication Sciences</i>                                 | 5    |     | 2   | A:2      | 150   |
| 19 | F001021 Basic Entrepreneurship<br><i>Evy Van Lancker -- Department of Marketing, Innovation and Organisation</i>                       | 3    | UKV | 3   | A:1      | 90    |
| 20 | H001977 Coaching and Diversity<br><i>Elisabeth De Schauwer -- Department of Educational Sciences</i>                                   | 3    | UKV | 3   | A:J      | 90    |

|    |         |                                                                                                                                                   |   |     |   |          |     |
|----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------|---|-----|---|----------|-----|
| 21 | D002354 | Movement and Sports: Now and Later<br><i>Veerle Segers -- Department of Movement and Sports Sciences</i>                                          | 3 | UKV | 2 | A:2      | 90  |
| 22 | A003001 | Academic English [en]<br><i>Geert Jacobs -- Department of Linguistics</i>                                                                         | 3 | UKV | 2 | B:1, A:2 | 90  |
| 23 | A003107 | Advanced Academic English [en]<br><i>Geert Jacobs -- Department of Linguistics</i>                                                                | 3 | UKV | 3 | A:1, B:2 | 90  |
| 24 | B001581 | Human Rights: Multidisciplinary Perspectives [en]<br><i>Eva Brems -- Department of European, Public and International Law</i>                     | 5 | UKV | 3 | A:2      | 150 |
| 25 | H002395 | Migration and Society: an Interdisciplinary Introduction [en]<br><i>Robin Vandevoordt -- Department of Educational Sciences</i>                   | 5 | UKV | 2 | A:2      | 150 |
| 26 | A005503 | Context and Nuance. A Critical Reflection on Current Topics<br><i>Katrijn Maryns -- Department of Translation, Interpreting and Communication</i> | 6 | UKV | 2 | A:1      | 180 |
| 27 | E099210 | Essentials of Artificial Intelligence: a Beginner's Guide [en]<br><i>Joni Dambre -- Department of Electronics and Information Systems</i>         | 3 | UKV | 2 | A:1      | 90  |
| 28 | K001535 | International Relations Theory [en]<br><i>Dries Lesage -- Department of Political Sciences</i>                                                    | 5 |     | 2 | A:2      | 150 |
| 29 | F710366 | Seminar on Security Policy<br><i>Marleen Easton -- Department of Public Governance and Management</i>                                             | 5 |     | 2 | A:1      | 150 |
| 30 | F000919 | Economics of Migration [en]<br><i>Ilse Ruyssen -- Department of Economics</i>                                                                     | 6 |     | 2 | A:2      | 180 |
| 31 | E084730 | Circular Economy and Regenerative Welfare<br><i>Jonas Van der Slycken -- Department of Civil Engineering</i>                                      | 6 |     | 2 | A:2      | 180 |
| 32 | F000980 | Contemporary Economic Challenges<br><i>Freddy Heylen -- Department of Economics</i>                                                               | 3 |     | 2 |          | 90  |

## 3.2 Educational Track

23 credits

| Nr | Course                                                                                                                          | CRDT | Ref | MT1 | Session | Study |
|----|---------------------------------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | H002476 Powerful Learning Environments<br><i>Bram De Wever -- Department of Educational Sciences</i>                            | 6    |     | 3   | A:1     | 180   |
| 2  | H002489 Teaching Methodology: Economics I<br><i>Evelien Opdecam -- Department of Accounting, Corporate Finance and Taxation</i> | 9    |     | 3   | J:J     | 270   |

### 3.2.1 Elective course board level

Subscribe to 5 credit units from the following list, distributed over the first standard learning path as follows: 5 credit units in year 3.  
Subject to approval by the faculty.

| Nr | Course                                                                                               | CRDT | Ref | MT1 | Session | Study |
|----|------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | F710412 Local Government<br><i>Joris Voets -- Department of Public Governance and Management</i>     | 5    |     | 3   | A:2     | 150   |
| 2  | F710413 Nonprofit Management<br><i>Ben Suykens -- Department of Public Governance and Management</i> | 5    |     | 3   | A:2     | 150   |

### 3.2.2 Elective course law

Subscribe to 3 credit units from the following list, distributed over the first standard learning path as follows: 3 credit units in year 3.  
Subject to approval by the faculty.

| Nr | Course                                                                                                          | CRDT | Ref | MT1 | Session | Study |
|----|-----------------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | F710363 Principles of Issuing Rules<br><i>Jonas Riemslagh -- Department of Public Governance and Management</i> | 3    |     | 3   | B:1     | 90    |
| 2  | F710419 Administrative Contention<br><i>Wouter De Cock -- Department of Public Governance and Management</i>    | 3    |     | 3   | A:1     | 90    |

## Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the course name, using the following ISO codes:

|               |             |             |               |                |                      |             |
|---------------|-------------|-------------|---------------|----------------|----------------------|-------------|
| bg: Bulgarian | de: German  | es: Spanish | ja: Japanese  | pl: Polish     | sh: Croatian/Serbian | zh: Chinese |
| cs: Czech     | el: Greek   | fr: French  | nl: Dutch     | pt: Portuguese | sl: Slovene          |             |
| da: Danish    | en: English | it: Italian | no: Norwegian | ru: Russian    | sv: Swedish          |             |

## Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course is not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

|                 |                                 |                                 |                                 |
|-----------------|---------------------------------|---------------------------------|---------------------------------|
| a: bi-annually  | c: annually, from 2028-2029     | f: annually, from 2029-2030     | i: annually, from 2030-2031     |
| b: tri-annually | d: bi-annually, from 2028-2029  | g: bi-annually, from 2029-2030  | j: bi-annually, from 2030-2031  |
|                 | e: tri-annually, from 2028-2029 | h: tri-annually, from 2029-2030 | k: tri-annually, from 2030-2031 |