



| L.p. |      | Nazwa przedmiotu proponowana                       | Ogólnie |      |         |     |     | Semestr I |      |     |    |    | Semestr II |      |     |    |    | Semestr III |      |    |     |    | Semestr IV |      |    |    |    |    |      |  |  |    |
|------|------|--|---------|------|---------|-----|-----|-----------|------|-----|----|----|------------|------|-----|----|----|-------------|------|----|-----|----|------------|------|----|----|----|----|------|--|--|----|
|      |      |  | E       | O    | W       | C   | L   | P         | ECTS | W   | C  | L  | P          | E    | W   | C  | L  | P           | E    | W  | C   | L  | P          | E    | W  | C  | L  | P  | E    |  |  |    |
| 1    | K    | MECHANIKA PLYNÓW II                                | 1       | 36   | 18      | 8   | 10  | 0         | 4    | 18  | 8  | 10 |            | 4    |     |    |    |             |      |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 2    | K    | METODY NUMERYCZNE I STATYSTYKA                     |         | 26   | 8       | 0   | 18  | 0         | 3    | 8   |    | 18 |            | 3    |     |    |    |             |      |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 3    | K-HS | PRZEDMIOT H-S I: ZARZĄDZANIE PROJEKTEM             |         | 8    | 8       | 0   | 0   | 0         | 1    | 8   |    |    |            | 1    |     |    |    |             |      |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 4    | K    | JĘZYK OBCY   |         |      | 0       | 30  | 0   | 0         | 2    |     | 30 |    |            | 2    |     |    |    |             |      |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 4a   | K    | JĘZYK ANGIELSKI                                    |         |      |         |     |     |           |      |     |    |    |            |      |     |    |    |             |      |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 4b   | K    | JĘZYK NIEMIECKI                                    |         |      |         |     |     |           |      |     |    |    |            |      |     |    |    |             |      |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 5    | S    | TECHNIKA CIEPLNA Z MIERNICTWEM                     | 1       | 38   | 20      | 10  | 8   | 0         | 4    | 20  | 10 | 8  |            | 4    |     |    |    |             |      |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 6    | S    | WYMIANA CIEPŁA I MASY                              | 1       | 52   | 20      | 16  | 16  | 0         | 6    | 20  | 16 | 16 |            | 6    |     |    |    |             |      |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 7    | K    | OPTIMALIZACJA I STEROWANIE W INŻYNIERII ŚRODOWISKA |         | 28   | 20      | 0   | 8   | 0         | 3    | 20  |    | 8  |            | 3    |     |    |    |             |      |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 8    | K    | PODSTAWOWE SZKOLENIE Z ZAKRESU BHP                 |         | 4    | 4       | 0   | 0   | 0         | 0    | 4   |    |    |            | 0    |     |    |    |             |      |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 9    | S    | SYSTEMY WENTYLACYJNE, KLIMATYZACYJNE I CHŁODNICZE  | 1       | 44   | 18      | 8   | 0   | 18        | 5    |     |    |    |            |      | 18  | 8  |    | 18          | 5    |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 10   | S    | SYSTEMY ENERGETYKI KOMUNALNEJ                      | 1       | 36   | 20      | 6   | 0   | 10        | 4    |     |    |    |            |      | 20  | 6  |    | 10          | 4    |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 11   | K    | PROJEKTOWANIE UNIWERSALNE II                       |         | 10   | 0       | 0   | 10  | 0         | 1    |     |    |    |            |      |     |    | 10 |             | 1    |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 12   | S    | SYSTEMY GRZEWCZE I                                 | 1       | 48   | 20      | 10  | 0   | 18        | 5    |     |    |    |            |      | 20  | 10 |    | 18          | 5    |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 13   | S    | SYSTEMY OCHRONY POWIETRZA                          |         | 28   | 10      | 8   | 0   | 10        | 3    |     |    |    |            |      | 10  | 8  |    | 10          | 3    |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 14   | K-HS | PRZEDMIOT H-S II: PRAWO GOSPODARCZE                |         | 18   | 18      | 0   | 0   | 0         | 2    |     |    |    |            |      | 18  |    |    |             | 2    |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 15   | S    | MODELOWANIE I SYMULACJE W INŻYNIERII ŚRODOWISKA I  |         | 16   | 0       | 0   | 8   | 8         | 2    |     |    |    |            |      |     |    | 8  | 8           | 2    |    |     |    |            |      |    |    |    |    |      |  |  |    |
| 16   | S    | MODELOWANIE I SYMULACJE W INŻYNIERII ŚRODOWISKA II |         | 8    | 0       | 0   | 8   | 0         | 1    |     |    |    |            |      |     |    |    |             |      | 8  |     | 1  |            |      |    |    |    |    |      |  |  |    |
| 17   | S    | UŻYTKOWANIE INSTALACJI HVAC                        |         | 8    | 0       | 0   | 0   | 8         | 1    |     |    |    |            |      |     |    |    |             |      |    | 8   | 1  |            |      |    |    |    |    |      |  |  |    |
| 18   | S    | MIKROKLIMAT POMIESZCZEŃ I JAKOŚĆ POWIETRZA         |         | 16   | 0       | 8   | 8   | 0         | 2    |     |    |    |            |      |     |    |    |             |      | 8  | 8   | 2  |            |      |    |    |    |    |      |  |  |    |
| 19   | S    | SYSTEMY GRZEWCZE II                                | 1       | 36   | 10      | 8   | 0   | 18        | 4    |     |    |    |            |      |     |    |    |             |      | 10 | 8   | 18 | 4          |      |    |    |    |    |      |  |  |    |
| 20   | S    | AUDYTING I GOSPODARKA ENERGETYCZNA                 | 1       | 28   | 18      | 10  | 0   | 0         | 3    |     |    |    |            |      |     |    |    |             |      | 18 | 10  |    | 3          |      |    |    |    |    |      |  |  |    |
| 21   | K    | BUDOWNICTWO ENERGOOSZCZĘDNE I                      |         | 28   | 20      | 0   | 8   | 0         | 3    |     |    |    |            |      |     |    |    |             |      | 20 |     | 8  | 3          |      |    |    |    |    |      |  |  |    |
| 22   | S    | BUDOWNICTWO ENERGOOSZCZĘDNE II                     |         | 8    | 0       | 0   | 8   | 0         | 1    |     |    |    |            |      |     |    |    |             |      |    |     | 8  | 1          |      |    |    |    |    |      |  |  |    |
| 23   | S    | KLIMATYZACJA W ZAAWANSOWANYCH TECHNOLOGIACH        | 1       | 44   | 18      | 8   | 0   | 18        | 6    |     |    |    |            |      |     |    |    |             |      | 18 | 8   | 18 | 6          |      |    |    |    |    |      |  |  |    |
| 24   | K    | METODYKA PISANIA PRAC NAUKOWYCH                    |         | 10   | 0       | 0   | 0   | 10        | 1    |     |    |    |            |      |     |    |    |             |      |    |     | 10 | 1          |      |    |    |    |    |      |  |  |    |
| 25   | K    | BIM W INŻYNIERII ŚRODOWISKA II                     |         | 18   | 0       | 0   | 0   | 18        | 2    |     |    |    |            |      |     |    |    |             |      |    |     |    |            |      |    | 18 | 2  |    |      |  |  |    |
| 26   | K-HS | PRZEDMIOT H-S III: NEGOCJACJE I UMOWY              |         | 18   | 18      | 0   | 0   | 0         | 2    |     |    |    |            |      |     |    |    |             |      |    |     |    |            | 18   |    |    |    |    | 2    |  |  |    |
| 27   | S    | SEMINARIUM DYPLOMOWE                               |         | 10   | 0       | 10  | 0   | 0         | 3    |     |    |    |            |      |     |    |    |             |      |    |     |    |            |      | 10 |    |    |    | 3    |  |  |    |
| 28   | S    | PRZYGOTOWANIE PRACY MAGISTERSKIEJ                  |         | 36   | 0       | 36  | 0   | 0         | 16   |     |    |    |            |      |     |    |    |             |      |    |     |    |            |      | 36 |    |    |    | 16   |  |  |    |
|      |      |  | 9       | 612  | egzamin |     |     |           |      | 3   |    |    |            |      | 3   |    |    |             |      | 3  |     |    |            |      |    |    |    |    |      |  |  |    |
|      |      |  | ETCS    | GODZ | 268     | 176 | 110 | 136       | 90   | 98  | 64 | 60 | 0          | ETCS | 86  | 32 | 18 | 64          | ETCS | 66 | 34  | 32 | 54         | ETCS | 18 | 46 | 0  | 18 | ETCS |  |  |    |
|      |      |  | 90      | 690  |         |     |     |           |      | 222 |    |    |            | 23   | 200 |    |    |             |      | 22 | 186 |    |            |      |    | 22 | 82 |    |      |  |  | 23 |

|   |      |  | ECTS |
|---|------|--|------|
| Przedmioty kierunkowe                         | K    |  | 19   |
| Przedmioty kierunkowe humanistyczno-społeczne | K-HS |  | 5    |
| Przedmioty specjalnościowe                    | S    |  | 66   |
|   |      |  | 90   |