## 3.5.2. Plan studiów niestacjonarnych (2013 -2017)

I rok wg siatki 2013-2017 (kolor czerwony), II /III /IV wg siatki 2014-2018

* moduł, przedmiot lub forma zajęć do wyboru

| Lp. | Moduł kształcenia / Przedmiot | Forma zaliczenia (Zo/E) | Liczba godzin dydaktycznych: Ogółem | Kontakt z nauczycielem, w tym: | wykłady (w) | zajęcia praktyczne (zp) obejmujące: | ćwiczenia | laboratoria i warsztaty | projekty i seminaria | zajęcia terenowe i obozy | konsultacje i e-learning (@) | Praca własna studenta (pw) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. | **MODUŁ KSZTAŁCENIA OGÓLNEGO** | | **446** | **206** | 32 | 122 | 106 | 20 | 0 | 0 | 52 | **240** |
| 1 | Język obcy w tym język techniczny* | E 3/Zo | **175** | **80** | 0 | 80 | 80 | | | | 0 | **95** |
| 2 | Technologia informacyjna | Zo | **50** | **23** | 0 | 8 | | 12 | | | 15 | **27** |
| 3 | Ochrona własności intelektualnych | Zo | **25** | **13** | 8 | 0 | | | | | 5 | **12** |
| 4. | Umiejętności interpersonalne/**socjologia*** | Zo | **50** | **21** | 8 | 8 | 8 | | | | 5 | **29** |
| 5. | Ergonomia z elementami bhp | Zo | **46** | **26** | 8 | 8 | 8 | | | | 10 | **20** |
| 6. | Przedsiębiorczość | Zo | **50** | **13** | 0 | 8 | | 8 | | | 5 | **37** |
| 7. | Przedmiot humanistyczny (socjologia 2/ psychologia) | Zo | **50** | **30** | 8 | 10 | 10 | | | | 12 | **20** |
| B. | **MODUŁ KSZTAŁCENIA PODSTAWOWEGO** | | **875** | **422** | 128 | 204 | 144 | 40 | 0 | 0 | 90 | **453** |
| 1. | Matematyka | E 2/Zo | **240** | **111** | 36 | 60 | 40 | | | | 15 | **129** |
| 2. | Statystyka matematyczna | Zo | **50** | **30** | 12 | 12 | 12 | | | | 6 | **20** |
| 3. | Fizyka | E 1 /Zo | **135** | **64** | 22 | 32 | 16 | 16 | | | 10 | **71** |
| 4. | Mechanika techniczna | Zo | **100** | **36** | 10 | 16 | 16 | | | | 10 | **64** |
| 5. | Wytrzymałość materiałów | E 3 /Zo | **225** | **111** | 28 | 52 | 40 | 12 | | | 31 | **114** |
| 6. | Mechanika płynów | E 4/Zo | **125** | **70** | 20 | 32 | 20 | 12 | | | 18 | **55** |
| C. | **MODUŁ KSZTAŁCENIA KIERUNKOWEGO** | | | | | | | | | | | |
| C1. | **Moduł kształcenia kierunkowego podstawowego** | | **1 953** | **883** | 302 | 312 | 132 | 156 | 24 | 0 | 269 | **1 070** |
| 1. | Termodynamika techniczna | Zo | **125** | **55** | 16 | 28 | 16 | 12 | | | 11 | **70** |
| 2. | Metaloznawstwo i obróbka cieplna | E 1,2/Zo | **150** | **63** | 34 | 24 | 12 | 12 | | | 5 | **87** |
| 3. | Tworzywa sztuczne i kompozyty | Zo | **50** | **18** | 8 | 0 | | | | | 10 | **32** |
| 4. | Rysunek techniczny | Zo | **100** | **58** | 12 | 36 | 36 | | | | 10 | **42** |
| 5. | Komputerowy zapis konstrukcji | Zo | **50** | **43** | 12 | 16 | | 16 | | | 15 | **7** |
| 6. | **Modelowanie i symulacja konstrukcji** / Zastosowanie metody MES * | Zo | **125** | **50** | 8 | 12 | | 12 | | | 30 | **75** |
| 7. | **Wprowadzenie do techniki** / Historia techniki * | Zo | **25** | **10** | 8 | 0 | | | | | 2 | **15** |
| 8. | Konstruowanie części maszyn | Zo | **125** | **50** | 20 | 12 | 12 | | | | 18 | **75** |
| 9. | Podstawy konstrukcji maszyn | E 4/Zo | **100** | **50** | 16 | 24 | 12 | | 12 | | 10 | **50** |
| 10. | Metrologia warsztatowa | E 1,2/Zo | **150** | **73** | 24 | 24 | | 24 | | | 25 | **77** |
| 11. | **Systemy pomiarowe** / Statystyczna kontrola jakości * | Zo | **83** | **35** | 8 | 16 | | 16 | | | 11 | **48** |
| 12. | Obróbka ubytkowa | E 3/Zo | **150** | **60** | 16 | 12 | | 12 | | | 32 | **90** |
| 13. | Obróbka plastyczna | Zo | **50** | **23** | 10 | 8 | | 8 | | | 5 | **27** |
| 14. | Technologie łączenia (certyfikat; kurs w CKP) | Zo | **75** | **25** | 12 | 8 | | 8 | | | 5 | **50** |
| 15. | Odlewnictwo | Zo | **50** | **20** | 10 | 0 | | | | | 10 | **30** |
| 16. | Przetwórstwo tworzyw sztucznych | Zo | **75** | **35** | 16 | 8 | 8 | | | | 11 | **40** |
| 17. | Elektrotechnika i elektronika | E 4/Zo | **110** | **50** | 16 | 24 | 12 | 12 | | | 10 | **60** |
| 18. | Podstawy automatyki | E 5/Zo | **135** | **55** | 16 | 24 | 12 | 12 | | | 15 | **80** |
| 19. | Elementy automatyzacji i robotyzacji | E 6/Zo | **125** | **55** | 16 | 24 | | 12 | 12 | | 15 | **70** |
| 20. | **Eksploatacja maszyn i diagnostyka** / Elementy trybologii * | Zo | **75** | **40** | 12 | 12 | 12 | | | | 16 | **35** |
| 21. | Zarządzanie środowiskiem i ekologia | Zo | **25** | **15** | 12 | 0 | | | | | 3 | **10** |
| C2. | **Moduł kształcenia kierunkowego dodatkowego** | | **800** | **312** | 96 | 104 | 16 | 24 | 60 | 4 | 112 | **488** |
| 1. | **Projektowanie procesów obróbki** / Projektowanie procesów technologicznych obróbki skrawaniem * | Zo | **100** | **40** | 8 | 24 | 8 | | 16 | | 8 | **60** |
| 2. | **Projektowanie procesów montażu** / Projektowanie linii montażowych* | Zo | **75** | **21** | 8 | 8 | | | 8 | | 5 | **54** |
| 3. | **Organizacja produkcji** / Sterowanie produkcją * | Zo | **50** | **20** | 8 | 0 | | | | | 12 | **30** |
| 4. | Rachunek kosztów w ujęciu inżynierskim | E 6/Zo | **50** | **20** | 8 | 8 | 8 | | | | 4 | **30** |
| 5. | **Projektowanie maszyn technologicznych** / Projektowanie obrabiarek * | E 5/Zo | **100** | **26** | 8 | 8 | | | 8 | | 10 | **74** |
| 6. | **Napędy maszyn** / Napędy obrabiarek * | Zo | **75** | **25** | 8 | 8 | | | 8 | | 9 | **50** |
| 7. | **Hydraulika i pneumatyka** / Projektowanie układów hydraulicznych i pneumatycznych * | Zo | **50** | **30** | 8 | 8 | | | 8 | | 14 | **20** |
| 8. | **Maszyny technologiczne** / Obrabiarki skrawające* | Zo | **75** | **35** | 16 | 8 | | | 8 | | 11 | **40** |
| 9. | **Obrabiarki sterowane numerycznie** / Programowanie maszyn sterowanych numerycznie* | Zo | **75** | **31** | 8 | 8 | | 8 | | | 15 | **44** |
| 10. | **Komputerowe wspomagania projektowania** / Systemy Cax * | Zo | **75** | **40** | 8 | 16 | | 16 | | | 16 | **35** |
| 11. | **Innowacje i usprawnienia w firmach** / Mapowanie strumieni wartości* | Zo | **75** | **24** | 8 | 8 | | | 4 | 4 | 8 | **51** |
| D. | **MODUŁ KSZTAŁCENIA SPECJALNOŚCIOWEGO** | | | | | | | | | | | |
| D1. | **Moduł kształcenia specjalnościowego ogólnego*** | | **850** | **95** | 0 | 75 | 0 | 0 | 75 | 0 | 20 | **755** |
| 1. | Seminarium dyplomowe | Zo | **75** | **75** | 0 | 75 | | | 75 | | 0 | **0** |
| 2. | Praca dyplomowa inżynierska | Zo | **375** | **20** | 0 | 0 | | | | | 20 | **355** |
| 3. | Praktyka 1 (ogólnokierunkowa po 1 roku - 5 tyg.) | Z | **200** | **0** | 0 | 0 | | | | | 0 | **200** |
| 4. | Praktyka 2 (inżynierska po 2 roku - 5 tyg.) | Z | **200** | **0** | 0 | 0 | | | | | 0 | **200** |
| D2. | **Moduł kształcenia specjalnościowego - KiTM*** | | **570** | **212** | 64 | 80 | 8 | 0 | 72 | 0 | 68 | **358** |
| 1. | Zaawansowane konstrukcje i technologie | E 7/Zo | **50** | **30** | 8 | 8 | | | 8 | | 14 | **20** |
| 2. | Współczesne materiały konstrukcyjne | E 7/Zo | **50** | **30** | 8 | 8 | | | 8 | | 14 | **20** |
| 3. | Oprzyrządowanie technologiczne | E 6/Zo | **75** | **25** | 8 | 8 | | | 8 | | 9 | **50** |
| 4. | Computer systems engineering (w j. angielskim) | Zo | **75** | **25** | 8 | 8 | | | 8 | | 9 | **50** |
| 5. | Współczesne metody zarządzania produkcją | Zo | **75** | **25** | 8 | 8 | | | 8 | | 9 | **50** |
| 6. | Wariantowanie w pracach inżynierskich | Zo | **25** | **20** | 8 | 8 | 8 | | | | 4 | **5** |
| 7. | Planowanie inżynierskie | Zo | **25** | **20** | 8 | 8 | | | 8 | | 4 | **5** |
| 8. | Normalizacja i unifikacja | Zo | **75** | **21** | 8 | 8 | | | 8 | | 5 | **54** |
| 9. | Projekt konstrukcyjno - technologiczny (dla każdej specjalności po 16 godz.) | Zo | **120** | **16** | 0 | 16 | | | 16 | | 0 | **104** |
| D3. | **Moduł kształcenia specjalnościowego - MiUE*** | | **562** | **182** | 64 | 80 | 48 | 16 | 16 | 0 | 38 | **380** |
| 1. | Thermodynamics II (w j. angielskim) | Zo | **75** | **21** | 8 | 8 | 8 | | | | 5 | **54** |
| 2. | Wymiana ciepła | E 6/Zo | **75** | **21** | 8 | 8 | 8 | | | | 5 | **54** |
| 3. | Dynamika gazów | Zo | **75** | **21** | 8 | 8 | 8 | | | | 5 | **54** |

| Lp. | Rozkład godzin dydaktycznych: I rok, sem I: w | zp | @ | pw | sem II: w | zp | @ | pw | II rok, sem III: w | zp | @ | pw | sem IV: w | zp | @ | pw |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. | 8 | 36 | 20 | 86 | 0 | 20 | 0 | 30 | 0 | 20 | 0 | 5 | 0 | 0 | 0 | 0 |
| 1 | | **20** | | 30 | | **20** | | 30 | | **20** | | 5 | | | | |
| 2 | | **8** | 15 | 27 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4. | **8** | **8** | 5 | 29 | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | |
| B. | 40 | 62 | 25 | 186 | 44 | 66 | 15 | 112 | 24 | 44 | 32 | 100 | 20 | 32 | 18 | 55 |
| 1. | **18** | **30** | 10 | 72 | **18** | **30** | 5 | 57 | | | | | | | | |
| 2. | | | | | | | | | **12** | **12** | 6 | 20 | | | | |
| 3. | **12** | **16** | 5 | 50 | **10** | **16** | 5 | 21 | | | | | | | | |
| 4. | **10** | **16** | 10 | 64 | | | | | | | | | | | | |
| 5. | | | | | **16** | **20** | 5 | 34 | **12** | **32** | 26 | 80 | | | | |
| 6. | | | | | | | | | | | | | **20** | **32** | 18 | 55 |
| C. | | | | | | | | | | | | | | | | |
| C1. | 46 | 60 | 30 | 164 | 72 | 48 | 52 | 153 | 60 | 64 | 91 | 310 | 72 | 64 | 39 | 210 |
| 1. | | | | | | | | | **16** | **28** | 11 | 70 | | | | |
| 2. | **18** | **12** | 5 | 65 | **16** | **12** | | 22 | | | | | | | | |
| 3. | | | | | **8** | | 10 | 32 | | | | | | | | |
| 4. | **12** | **36** | 10 | 42 | | | | | | | | | | | | |
| 5. | | | | | **12** | **16** | 15 | 7 | | | | | | | | |
| 6. | | | | | | | | | **8** | **12** | 30 | 75 | | | | |
| 7. | | | | | **8** | | 2 | 15 | | | | | | | | |
| 8. | | | | | | | | | **20** | **12** | 18 | 75 | | | | |
| 9. | | | | | | | | | | | | | **16** | **24** | 10 | 50 |
| 10. | **16** | **12** | 15 | 57 | **8** | **12** | 10 | 20 | | | | | | | | |
| 11. | | | | | | | | | | | | | | | | |
| 12. | | | | | | | | | **16** | **12** | 32 | 90 | | | | |
| 13. | | | | | **10** | **8** | 5 | 27 | | | | | | | | |
| 14. | | | | | | | | | | | | | **12** | **8** | 5 | 50 |
| 15. | | | | | **10** | | 10 | 30 | | | | | | | | |
| 16. | | | | | | | | | | | | | **16** | **8** | 11 | 40 |
| 17. | | | | | | | | | | | | | **16** | **24** | 10 | 60 |
| 18. | | | | | | | | | | | | | | | | |
| 19. | | | | | | | | | | | | | | | | |
| 20. | | | | | | | | | | | | | | | | |
| 21. | | | | | | | | | | | | | **12** | | 3 | 10 |
| C2. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 32 | 19 | 117 |
| 1. | | | | | | | | | | | | | **8** | **24** | 8 | 60 |
| 2. | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | **16** | **8** | 11 | 40 |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |
| 11. | | | | | | | | | | | | | **8** | | | 17 |
| D. | | | | | | | | | | | | | | | | |
| D1. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| 1. | | | | | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | 200 | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | 200 |
| D2. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1. | | | | | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | |
| D3. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1. | | | | | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | |

| Lp. | III rok, sem V: w | zp | @ | pw | sem VI: w | zp | @ | pw | IV rok, sem VII: w | zp | @ | pw |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. | 0 | 20 | 0 | 30 | 0 | 0 | 0 | 0 | 24 | 26 | 32 | 89 |
| 1. | | **20** | | 30 | | | | | | | | |
| 2. | | | | | | | | | | | | |
| 3. | | | | | | | | | **8** | | 5 | 12 |
| 4. | | | | | | | | | | | | |
| 5. | | | | | | | | | **8** | **8** | 10 | 20 |
| 6. | | | | | | | | | | **8** | 5 | 37 |
| 7. | | | | | | | | | **8** | **10** | 12 | 20 |
| B. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1. | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | |
| C. | | | | | | | | | | | | |
| C1. | 24 | 40 | 26 | 128 | 28 | 36 | 31 | 105 | 0 | 0 | 0 | 0 |
| 1. | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | |
| 11. | **8** | **16** | 11 | 48 | | | | | | | | |
| 12. | | | | | | | | | | | | |
| 13. | | | | | | | | | | | | |
| 14. | | | | | | | | | | | | |
| 15. | | | | | | | | | | | | |
| 16. | | | | | | | | | | | | |
| 17. | | | | | | | | | | | | |
| 18. | **16** | **24** | 15 | 80 | | | | | | | | |
| 19. | | | | | **16** | **24** | 15 | 70 | | | | |
| 20. | | | | | **12** | **12** | 16 | 35 | | | | |
| 21. | | | | | | | | | | | | |
| C2. | 40 | 40 | 59 | 286 | 24 | 32 | 34 | 85 | 0 | 0 | 0 | 0 |
| 1. | | | | | | | | | | | | |
| 2. | **8** | **8** | 5 | 54 | | | | | | | | |
| 3. | **8** | | 12 | 30 | | | | | | | | |
| 4. | | | | | **8** | **8** | 4 | 30 | | | | |
| 5. | **8** | **8** | 10 | 74 | | | | | | | | |
| 6. | **8** | **8** | 9 | 50 | | | | | | | | |
| 7. | | | | | **8** | **8** | 14 | 20 | | | | |
| 8. | | | | | | | | | | | | |
| 9. | **8** | **8** | 15 | 44 | | | | | | | | |
| 10. | | | | | **8** | **16** | 16 | 35 | | | | |
| 11. | | **8** | 8 | 34 | | | | | | | | |
| D. | | | | | | | | | | | | |
| D1. | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 60 | 20 | 355 |
| 1. | | | | | | **15** | | | | **60** | | |
| 2. | | | | | | | | | | | 20 | 355 |
| 3. | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | |
| D2. | 8 | 8 | 5 | 54 | 24 | 40 | 27 | 254 | 32 | 32 | 36 | 50 |
| 1. | | | | | | | | | **8** | **8** | 14 | 20 |
| 2. | | | | | | | | | **8** | **8** | 14 | 20 |
| 3. | | | | | **8** | **8** | 9 | 50 | | | | |
| 4. | | | | | **8** | **8** | 9 | 50 | | | | |
| 5. | | | | | **8** | **8** | 9 | 50 | | | | |
| 6. | | | | | | | | | **8** | **8** | 4 | 5 |
| 7. | | | | | | | | | **8** | **8** | 4 | 5 |
| 8. | **8** | **8** | 5 | 54 | | | | | | | | |
| 9. | | | | | | **16** | | 104 | | | | |
| D3. | 8 | 8 | 5 | 54 | 24 | 40 | 15 | 266 | 32 | 32 | 18 | 60 |
| 1. | **8** | **8** | 5 | 54 | | | | | | | | |
| 2. | | | | | **8** | **8** | 5 | 54 | | | | |
| 3. | | | | | **8** | **8** | 5 | 54 | | | | |

| Lp. | Liczba punktów ECTS – semestry: I | II | III | IV | V | VI | VII | wskaźniki: bezpośredni udział | nauki podstawowe | zajęcia praktyczne | ogólnouczelniane | zajęcia do wyboru |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A. | 6 | 2 | 1 | 0 | 2 | 0 | 7 | 8 | 0 | 14 | 18 | 11 |
| 1 | **2** | **2** | **1** | | **2** | | | 3 | | 7 | 7 | 7 |
| 2 | **2** | | | | | | | 1 | | 2 | 2 | |
| 3 | | | | | | | **1** | 1 | | 1 | | |
| 4. | **2** | | | | | | | 1 | | 1 | 2 | 2 |
| 5. | | | | | | | **2** | 1 | | 1 | 2 | |
| 6. | | | | | | | **2** | 1 | | 2 | 2 | |
| 7. | | | | | | | **2** | 1 | | 1 | 2 | 2 |
| B. | 12 | 9 | 8 | 5 | 0 | 0 | 0 | 17 | 34 | 19 | 0 | 0 |
| 1. | **5** | **4** | | | | | | 4 | 9 | 5 | | |
| 2. | | | **2** | | | | | 1 | 2 | 1 | | |
| 3. | **3** | **2** | | | | | | 3 | 5 | 2 | | |
| 4. | **4** | | | | | | | 1 | 4 | 2 | | |
| 5. | | **3** | **6** | | | | | 4 | 9 | 5 | | |
| 6. | | | | **5** | | | | 3 | 5 | 3 | | |
| C. | | | | | | | | | | | | |
| C1. | 12 | 13 | 21 | 15 | 8 | 8 | 0 | 36 | 0 | 38 | 0 | 12 |
| 1. | | | **5** | | | | | 2 | | 3 | | |
| 2. | **4** | **2** | | | | | | 3 | | 2 | | |
| 3. | | **2** | | | | | | 1 | | | | |
| 4. | **4** | | | | | | | 2 | | 3 | | |
| 5. | | **2** | | | | | | 2 | | 1 | | |
| 6. | | | **5** | | | | | 2 | | 3 | | 5 |
| 7. | | **1** | | | | | | 1 | | | | 1 |
| 8. | | | **5** | | | | | 2 | | 2 | | |
| 9. | | | | **4** | | | | 2 | | 2 | | |
| 10. | **4** | **2** | | | | | | 3 | | 3 | | |
| 11. | | | | | **3** | | | 1 | | 2 | | 3 |
| 12. | | | **6** | | | | | 2 | | 3 | | |
| 13. | | **2** | | | | | | 1 | | 1 | | |
| 14. | | | | **3** | | | | 1 | | 1 | | |
| 15. | | **2** | | | | | | 1 | | | | |
| 16. | | | | **3** | | | | 1 | | 1 | | |
| 17. | | | | **4** | | | | 2 | | 2 | | |
| 18. | | | | | **5** | | | 2 | | 3 | | |
| 19. | | | | | | **5** | | 2 | | 3 | | |
| 20. | | | | | | **3** | | 2 | | 2 | | 3 |
| 21. | | | | **1** | | | | 1 | | | | |
| C2. | 0 | 0 | 0 | 8 | 17 | 7 | 0 | 12 | 0 | 15 | 0 | 30 |
| 1. | | | | **4** | | | | 2 | | 3 | | 4 |
| 2. | | | | | **3** | | | 1 | | 1 | | 3 |
| 3. | | | | | **2** | | | 1 | | | | 2 |
| 4. | | | | | | **2** | | 1 | | 1 | | |
| 5. | | | | **4** | | | | 1 | | 2 | | 4 |
| 6. | | | | | **3** | | | 1 | | 2 | | 3 |
| 7. | | | | | | **2** | | 1 | | 1 | | 2 |
| 8. | | | | **3** | | | | 1 | | 1 | | 3 |
| 9. | | | | | **3** | | | 1 | | 1 | | 3 |
| 10. | | | | | | **3** | | 2 | | 2 | | 3 |
| 11. | | | | **1** | **2** | | | 1 | | 2 | | 3 |
| D. | | | | | | | | | | | | |
| D1. | 0 | 6 | 0 | 6 | 0 | 1 | 17 | 4 | 0 | 30 | 0 | 30 |
| 1. | | | | | | **1** | **2** | 3 | | 3 | | 3 |
| 2. | | | | | | | **15** | 1 | | 15 | | 15 |
| 3. | | 6 | | | | | | | | 6 | | 6 |
| 4. | | | | 6 | | | | | | 6 | | 6 |
| D2. | 0 | 0 | 0 | 0 | 3 | 14 | 6 | 8 | 0 | 12 | 0 | 23 |
| 1. | | | | | | | **2** | 1 | | 1 | | 2 |
| 2. | | | | | | | **2** | 1 | | 1 | | 2 |
| 3. | | | | | **3** | | | 1 | | 1 | | 3 |
| 4. | | | | | **3** | | | 1 | | 1 | | 3 |
| 5. | | | | | **3** | | | 1 | | 1 | | 3 |
| 6. | | | | | | | **1** | 1 | | 1 | | 1 |
| 7. | | | | | | | **1** | 1 | | 1 | | 1 |
| 8. | | | | | **3** | | | 1 | | 1 | | 3 |
| 9. | | | | | | **5** | | 1 | | 5 | | 5 |
| D3. | 0 | 0 | 0 | 0 | 3 | 14 | 6 | 7 | 0 | 12 | 0 | 23 |
| 1. | | | | | **3** | | | 1 | | 2 | | 3 |
| 2. | | | | | | **3** | | 1 | | 1 | | 3 |
| 3. | | | | | | **3** | | 1 | | 1 | | 3 |

| | | |