

Cancer Biology Plan of Work

Mandatory Coursework

| Number | Course Name | Credits |
|---------------|---|----------------|
| IBS 7010 | Molecular Biology (Fall 1 st year) | 5 |
| IBS 7020 | Cell Biology (Fall 1 st year) | 5 |
| IBS 70?? | IBS Elective (Winter 1 st year) | 2 |
| IBS 70?? | IBS Elective (Winter 1 st year) | 2 |
| CB7210 | Fundamentals of Cancer Biology (Winter 1 st year) | 3 |
| CB7130 | Clinical aspects of Cancer Biology (S/S 1 st year) | 1 |
| CB7700 | Recent Developments in CB (every Fall and Winter until all taken) | 7 |
| CB7890 | Seminars in CB (every Fall and Winter until all 6 are taken) | 6 |
| BMS 6010 | Ethics (offered in S/S) | 1 |

Mandatory Research Credits

| | | |
|--------|---|-----|
| CB7710 | Individual Studies (Lab Rotations – 3 Required) | 3 |
| CB7996 | Research | 15 |
| CB9991 | Candidate status I | 7.5 |
| CB7992 | Candidate status II | 7.5 |
| CB9993 | Candidate status III | 7.5 |
| CB9994 | Candidate status IV | 7.5 |

Mandatory CB Electives (ONE from each pair is required)

| *Pair | Course | Course Name | Fall | Winter | Credits |
|--------------|---------------|---|-------------|---------------|----------------|
| 1 | CB7600 | Applied Cancer Biostatistics | Even | | 2 |
| | CB7430 | Cancer Epidemiology | | Odd | 2 |
| 2 | CB7460 | Mechanisms of Neoplasia: Signaling | Even | | 3 |
| | **CB7220 | Molecular Biology of Cancer Development | Odd | | 3 |
| 3 | **CB7240 | Cancer Chemotherapy | | Even | 2 |
| | **CB7410 | Current Trends in Immunology (T cell biology and immunotherapy) | | Odd | 3 |

***A minimum of one from each pair is required.**

****CB7220 and CB7240 crosslisted with PHC7220 and PHC7240, respectively. *CB7410 crosslisted with IM7450.**

Optional

| | | | |
|----------|---|---------------------------------|-----------|
| MBG 7091 | Scientific Communication II (Grant writing course) | Winter Semester (every year) | 2 credits |
|----------|---|---------------------------------|-----------|

90 credits minimum required to graduate. 3 rotations mandatory (CB7710)

IBS courses 7010, 7020, 70??, 70?? = 14 cr (?? 2 electives required)

Fundamentals of Cancer Biology (3), Clinical aspects (1), Ethics (1) = 5 cr

Research CB9991-9994, CB7996, CB7710 = 48 cr

Recent developments in CB, Seminar = 13 cr

CB Electives (at least one course from each of the three pairs is required)

Paired courses: Biostatistics/Cancer Epidemiology = 2 credits each.

Molecular Biology of Cancer Dev/Cell Signaling = 3 cr each

Cancer Chemotherapy/Current Trends in Immunol = 2 or 3 cr

Grant writing course = 2 cr