



**ROCKWELL**

School of Holistic Medicine

## *Module 1: Sciences*

### *Program Syllabus & Required Reading*

50 Hours Includes Required Reading, Video Lectures, Essays, & Exams

**Materials Provided Unless Otherwise Specified**

#### **Success with Online Learning & Stress Management (2 hrs)**

#### **Section 1: Anatomy, Physiology, Blood Types, & the Immune System (15 hrs)**

- ❑ Lesson 1: Anatomy, Physiology, Pathology, Pathophysiology, Disease States, & Symptomatology (8 hrs)
  - ❑ Human BioDigital \$3.99
  - ❑ **Final Exam (2 hrs)**
- ❑ Lesson 2: Blood Typing, Genotypes, Phenotypes, Anemias, & Transfusions (3 hrs)
- ❑ Lesson 3: The Immune System & Lymph Glands (2 hrs)

#### **Section 2: Predictive Medicine with Food Allergy Testing, Nutritional Deficiencies, Heavy Metal Toxicity, Epigenetics & Genetic Predisposition (14 hrs)**

- ❑ Lesson 1: Intro to Antibodies & Predictive Autoantibodies — IgA, IgD, IgE, IgG, IgM (1.5 hrs)
- ❑ Lesson 2: Intro to IgE Testing: Food Allergies vs. Food Sensitivities (2 hrs)



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- ❑ Lesson 3: Intro to IgG Testing: Food Sensitivity & Viral Infections (1 hr)
- ❑ Lesson 4: Intro to the ALCAT & Cytotoxicity Food Sensitivity Testing (30-min)
- ❑ Lesson 5: Intro to the MRT 'The New & Improved ALCAT' (30-min)
- ❑ Lesson 6: Intro to ELISA IgG Mediated Testing (30-min)
- ❑ Lesson 7: Intro to CYREX Arrays & IgG Mediated Advanced Food Antibody Testing (1 hr)
- ❑ Lesson 8: Intro to HTMA (Hair Tissue Mineral Analysis) & Heavy Metal Toxicity (30-min)
- ❑ Lesson 9: Intro to IgE Skin Prick Testing (SPT) & Seasonal Allergens (1 hr)
- ❑ Lesson 10: Intro to Epigenetics, Nutrigenetics, Nutrigenomics, Genetic Testing & SNPs (3 hrs)
  - ❑ [Dirty Genes by Dr. Ben Lynch \(4 hrs\)](#)
  - ❑ **Module 1: Section 2: Final Exam & Essay (1 hr)**



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#### **Section 3: Leaky Gut, Autoimmunity, Cross-Reactivity, & Mast Cell Activation (6 hrs)**

- ❑ Lesson 1: Leaky Gut, Probiotics, Prebiotics, & The Microbiome PRG (3 hrs)
- ❑ Lesson 2: Mast Cell Activation (1 hr)
- ❑ Lesson 3: Autoimmunity Basics & Cross-Reactivity (1 hr)
- ❑ **Module 1: Section 3: Final Exam & Essay (1 hr)**

#### **Section 4: Human Health & the Invisible World of Viruses, Bacteria, & Fungi (12 hrs)**

- ❑ Lesson 1: Bacteria, Viruses, & Antibiotic Resistance (2 hrs) PRG
- ❑ Lesson 2: MRSA, Necrotizing Fasciitis, Superbugs & Bacteriophages (2.5 hrs) PRG
- ❑ Lesson 3: Antibiotics, Antimicrobials, Antivirals, Types, Classes, & Alternatives PRG (2 hrs)



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- ❑ Lesson 4: Theories on Mold, Fungus, Candida, Mycotoxins, Autoimmunity, & Cancer SG (2 hrs)
- ❑ Lesson 5: First Aid with Sodium Bicarbonate & pH Medicine with Dr. Sircus SG (2.5 hours)

#### **Section 5: See Practical Applications & Printable Reference Guides**

**[Click Here for an Optional List of Pathology & Pathophysiology References:](#)** All subjects below are clickable.

- ❑ [Cardiovascular Pathology](#) ❑ [Dermatology Pathology](#) ❑ [Ear, Nose, & Throat Pathology](#) ❑ [Endocrine Pathology](#)
- ❑ [Fluid & Electrolyte Imbalances](#) ❑ [Gastrointestinal Pathology](#) ❑ [Genetics Pathology](#) ❑ [Hematology Pathology](#)
- ❑ [Immune Pathology](#) ❑ [Infectious Disease Pathology](#) ❑ [Maternal Pathology](#) ❑ [Mental Health Pathology](#)
- ❑ [Musculoskeletal Pathology](#) ❑ [Neurological Pathology](#) ❑ [Pediatric Pathology](#) ❑ [Renal Pathology](#)
- ❑ [Reproductive Pathology](#) ❑ [Respiratory Pathology](#)